

ENGINE

H430-53314-0302
 LABEL#: QC
 SAMPLE SHIP TIME (days) : 41
JWT SITE MANAGEMENT
 RECEIVED DATE: 10-Nov-23

EQUIP NUM: 374-074
 CAT 374

 **No Action Required**

ALL TESTS APPEAR NORMAL. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.

Interp By: David Poteete
 Interpreted On: 12-Nov-23

SAMPLE INFORMATION

 Sampled Date: 30-Sep-23
 Sample Id: H430-53314-0302
 Lab Date: 10-Nov-23
 Meter [Hr]: 6985
 Comp Meter [Hr]: 6985
 Meter On Fluid
 Fluid Brand: CHEVRON
 Fluid Weight
 Fluid Type
 Fluid Change: Y
 Filter Change: Y
 Suction Loop
 Total Fluid Added: 0

For additional sample history, go to: my.cat.com

CONDITION / CONTAMINATION

30-Sep-23
VISCOSITY (CENTISTOKES) ASTM D445
 V100 Viscosity at 100 C 12.90

INFRARED (UFM) ASTM E2412

ST	Soot	13
OXI	Oxidation	18
SUL	Sulfur Products	24
NIT	Nitration	12

WATER

W	Water	N
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WEAR LEVELS / ADDITIVES

30-Sep-23

ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]

Cu	Copper	3
Fe	Iron	15
Cr	Chromium	1
Al	Aluminum	5
Pb	Lead	0
Sn	Tin	0
Si	Silicon	7
Na	Sodium	6
K	Potassium	0
Mo	Molybdenum	99
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Ca	Calcium	2453
P	Phosphorus	1230
Zn	Zinc	1299
Mg	Magnesium	159
Ba	Barium	0
B	Boron	23
Sb	Antimony	0

ANTIFREEZE

A	Antifreeze	N
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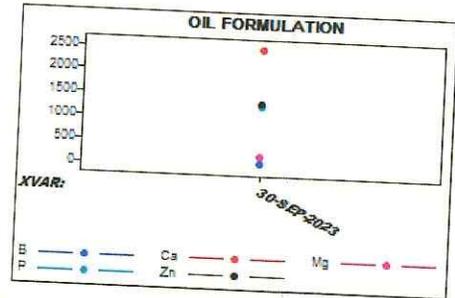
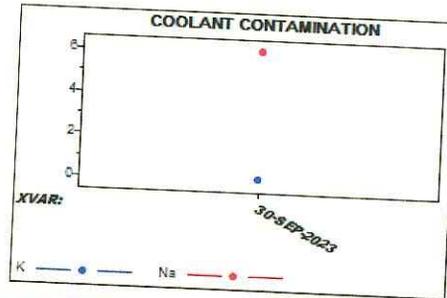
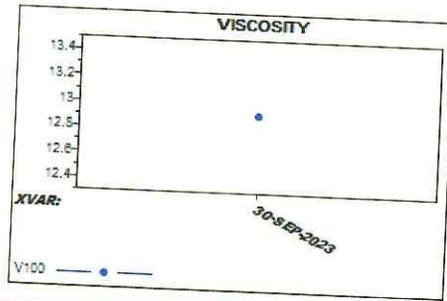
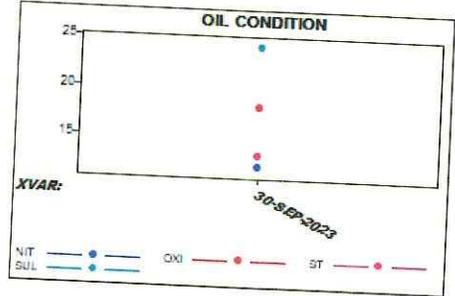
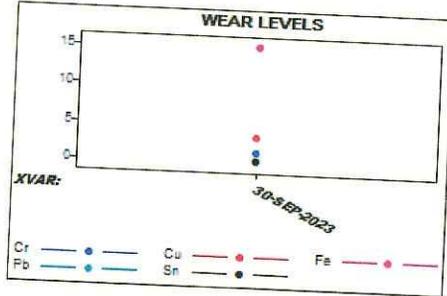
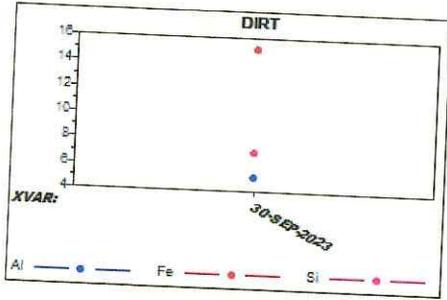
FUEL

F	Fuel	N
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FUEL CONTENT (%) ASTM D3524

PFC	Percent Fuel	3.02
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Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or component thereof.



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUr>

HYDRAULIC SYSTEM

H430-53314-0509

LABEL#: QC

SAMPLE SHIP TIME (days) : 41

JWT SITE MANAGEMENT

RECEIVED DATE: 10-Nov-23

EQUIP NUM: 374-074

CAT 374

 **No Action Required**

UNKNOWN HOURS ON THE OIL. ALL TESTS APPEAR NORMAL. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.

Interp By: David Poteete
Interpreted On: 12-Nov-23

SAMPLE INFORMATION


 Sampled Date 30-Sep-23
 Sample Id H430-53314-0509
 Lab Date 10-Nov-23
 Meter [Hr] 6985
 Comp Meter [Hr] 6985
 Meter On Fluid
 Fluid Brand CHEVRON
 Fluid Weight
 Fluid Type
 Fluid Change N
 Filter Change N
 Suction Loop U
 Total Fluid Added 0

For additional sample history, go to: my.cat.com

CONDITION / CONTAMINATION

30-Sep-23

VISCOSITY (CENTISTOKES) ASTM D445
 V100 Viscosity at 100 C 6.700

INFRARED (UFM) ASTM E2412

ST	Soot	0
OXI	Oxidation	5
SUL	Sulfur Products	16
NIT	Nitration	4

WATER

W	Water	N
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ANTIFREEZE

A	Antifreeze	N
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CLEANLINESS

30-Sep-23

PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406

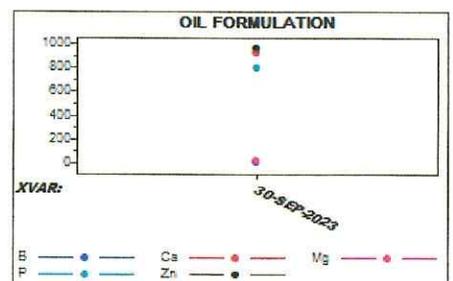
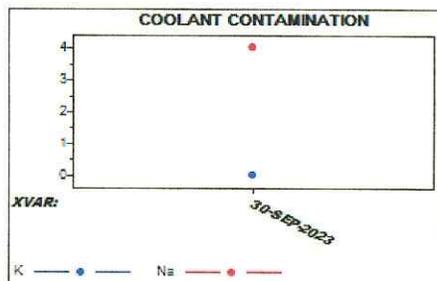
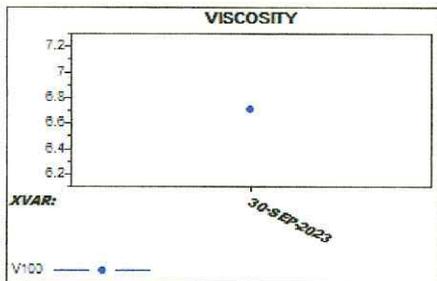
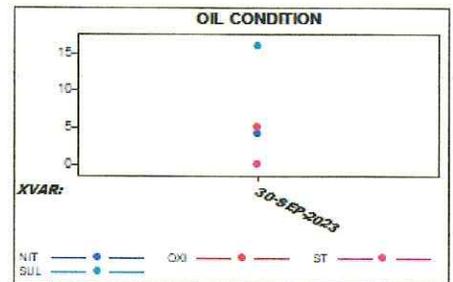
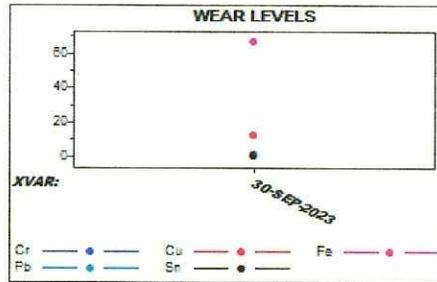
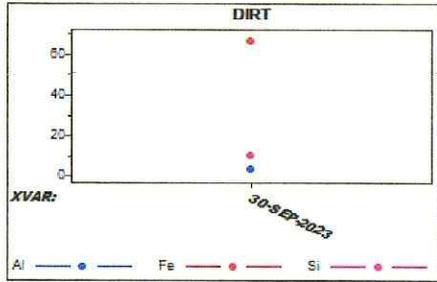
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4µ	4µ	31215
6µ	6µ	4660
10µ	10µ	380
14µ	14µ	70
18µ	18µ	20
21µ	21µ	20
38µ	38µ	0
50µ	50µ	0

WEAR LEVELS / ADDITIVES

30-Sep-23

ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]

Element	Symbol	Value (PPM)
Copper	Cu	12
Iron	Fe	66
Chromium	Cr	1
Aluminum	Al	3
Lead	Pb	0
Tin	Sn	0
Silicon	Si	10
Sodium	Na	4
Potassium	K	0
Molybdenum	Mo	1
Nickel	Ni	0
Silver	Ag	0
Titanium	Ti	0
Vanadium	V	0
Calcium	Ca	918
Phosphorus	P	787
Zinc	Zn	951
Magnesium	Mg	17
Barium	Ba	1
Boron	B	2
Antimony	Sb	0



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>



Quinn Company - P.O. Box 226789 Los Angeles, CA 90022 USA

PHONE: 559-891-5499

Web: <http://quinncompany.com> Email: soslab@quinncompany.com

WING DRIVE LEFT

EQUIP NUM: 374-074

SERIAL NUMBER: 374074_JWT

H430-53314-0520

LABEL#: QC

SAMPLE SHIP TIME (days) : 41

JWT SITE MANAGEMENT

RECEIVED DATE: 10-Nov-23

CAT 374



No Action Required

Interp By: David Poteete

Interpreted On: 12-Nov-23

ALL TESTS APPEAR NORMAL. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.

SAMPLE INFORMATION



Sampled Date 30-Sep-23
Sample Id H430-53314-0520
Lab Date 10-Nov-23
Meter [Hr] 6985
Comp Meter [Hr] 6985
Meter On Fluid
Fluid Brand
Fluid Weight
Fluid Type
Fluid Change U
Filter Change NA
Kidney Loop U
Total Fluid Added 0

For additional sample history, go to: my.cat.com

CONDITION / CONTAMINATION

30-Sep-23

VISCOSITY (CENTISTOKES) ASTM D445

V100 Viscosity at 100 C 11.30

INFRARED (UFM) ASTM E2412

ST Soot 0
OXI Oxidation 3
SUL Sulfur Products 14
NIT Nitration 4

WATER

W Water N

WEAR LEVELS / ADDITIVES

30-Sep-23

ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]

Table with 3 columns: Element, Name, PPM. Rows include Cu (Copper, 1), Fe (Iron, 16), Cr (Chromium, 0), Al (Aluminum, 0), Pb (Lead, 0), Sn (Tin, 0), Si (Silicon, 8), Na (Sodium, 2), K (Potassium, 0), Mo (Molybdenum, 2), Ni (Nickel, 0), Ag (Silver, 0), Ti (Titanium, 0), V (Vanadium, 0), Ca (Calcium, 2406), P (Phosphorus, 863), Zn (Zinc, 1024), Mg (Magnesium, 17), Ba (Barium, 0), B (Boron, 3), Sb (Antimony, 0).

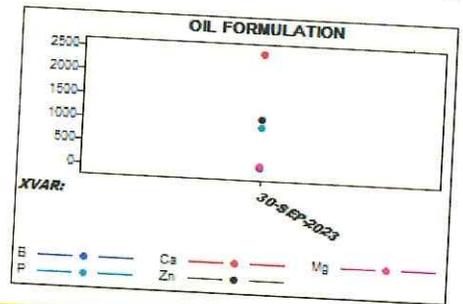
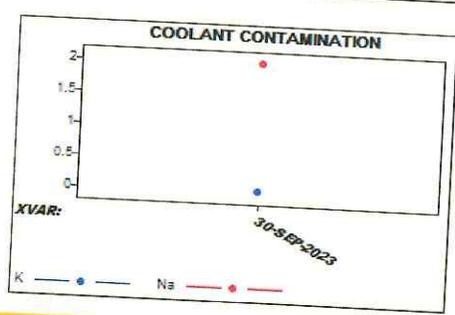
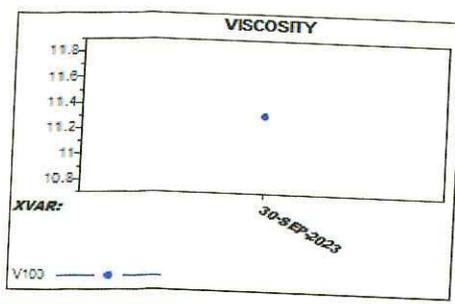
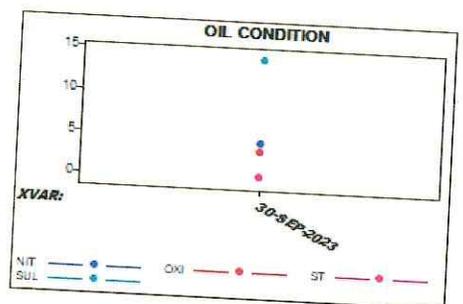
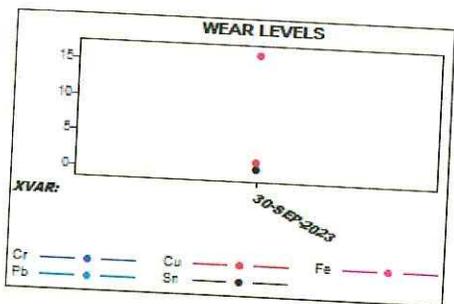
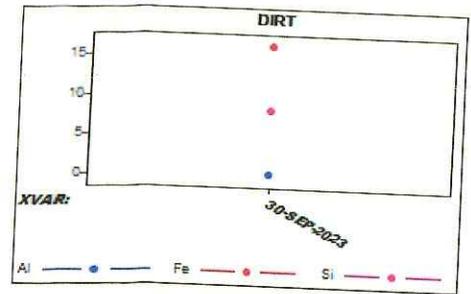
CLEANLINESS

30-Sep-23

PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406

Table with 3 columns: ISO, ISO Code Rating, Count. Rows include 4µ (4µ, 88730), 6µ (6µ, 13530), 10µ (10µ, 1245), 14µ (14µ, 180), 18µ (18µ, 65), 21µ (21µ, 40), 38µ (38µ, 0), 50µ (50µ, 0).

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or component thereof.



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>

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WING DRIVE RIGHT

EQUIP NUM: 374-074

SERIAL NUMBER: 374074_JWT

CAT 374

No Action Required

Interp By: David Poteete

Interpreted On: 12-Nov-23

H430-53314-0735

LABEL#: QC

SAMPLE SHIP TIME (days) : 41

JWT SITE MANAGEMENT

RECEIVED DATE: 10-Nov-23

ALL TESTS APPEAR NORMAL. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.

SAMPLE INFORMATION


 Sampled Date 30-Sep-23
 Sample Id H430-53314-0735
 Lab Date 10-Nov-23
 Meter [Hr] 6985
 Comp Meter [Hr] 6985
 Meter On Fluid
 Fluid Brand CHEVRON
 Fluid Weight
 Fluid Type
 Fluid Change U
 Filter Change U
 Bypass Loop U
 Total Fluid Added 0

For additional sample history, go to: my.cat.com

CONDITION / CONTAMINATION

30-Sep-23

VISCOSITY (CENTISTOKES) ASTM D445
 V100 Viscosity at 100 C 11.10

INFRARED (UFM) ASTM E2412

ST	Soot	0
OXI	Oxidation	3
SUL	Sulfur Products	13
NIT	Nitration	4

WATER

W	Water	N
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WEAR LEVELS / ADDITIVES

30-Sep-23

ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]

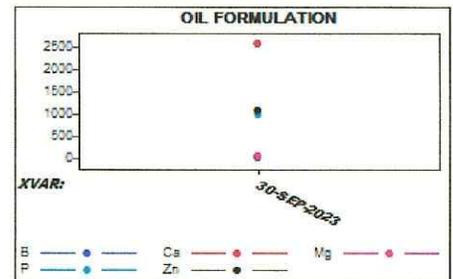
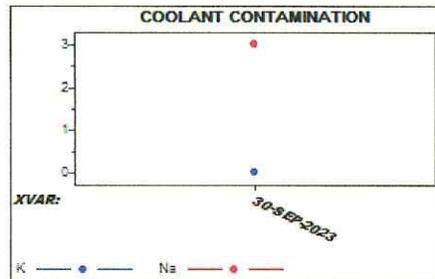
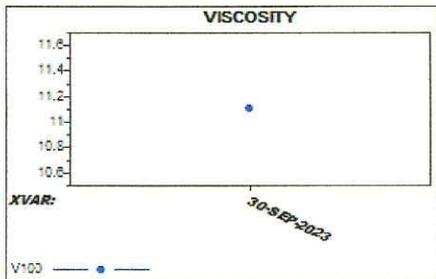
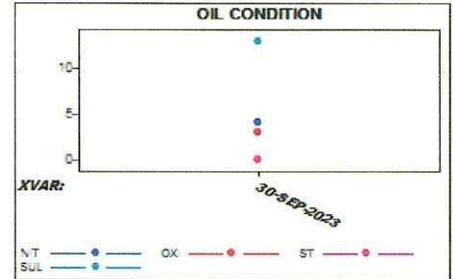
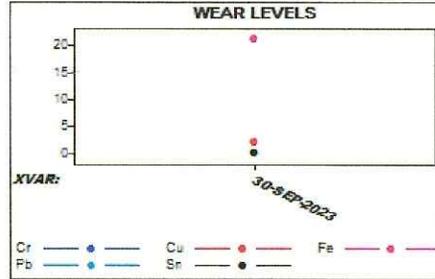
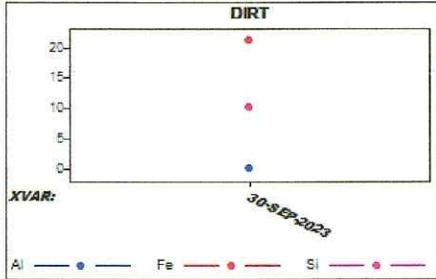
Cu	Copper	2
Fe	Iron	21
Cr	Chromium	0
Al	Aluminum	0
Pb	Lead	0
Sn	Tin	0
Si	Silicon	10
Na	Sodium	3
K	Potassium	0
Mo	Molybdenum	2
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Ca	Calcium	2567
P	Phosphorus	975
Zn	Zinc	1066
Mg	Magnesium	18
Ba	Barium	0
B	Boron	4
Sb	Antimony	0

CLEANLINESS

30-Sep-23

PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406

ISO	ISO Code Rating	23/20/14
4µ	4µ	71520
6µ	6µ	8355
10µ	10µ	665
14µ	14µ	125
18µ	18µ	40
21µ	21µ	25
38µ	38µ	0
50µ	50µ	0



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJvUrs>



Quinn Company - P.O. Box 226789 Los Angeles, CA 90022 USA

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ENGINE

H430-55217-0224

LABEL#: QC

SAMPLE SHIP TIME (days) : 6

JWT SITE MANAGEMENT

RECEIVED DATE: 05-Aug-25

EQUIP NUM: 374-074

SERIAL NUMBER: 374074_JWT

CAT 374

No Action Required

UNKNOWN HOURS ON THE OIL. ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

Interp By: Tony Finney
Interpreted On: 05-Aug-25

SAMPLE INFORMATION

	30-Jul-25	29-Dec-23	30-Sep-23
Sampled Date	30-Jul-25	29-Dec-23	30-Sep-23
Sample Id	H430-55217-0224	H430-54012-0307	H430-53314-0302
Lab Date	05-Aug-25	12-Jan-24	10-Nov-23
Meter [Hr]	10199	7421	6985
Comp Meter [Hr]	10199	7421	6985
Meter On Fluid		436	
Fluid Brand		CHEVRON	CHEVRON
Fluid Weight			
Fluid Type			
Fluid Change	Y	Y	Y
Oil Change	Y	Y	Y
Kidney Loop	U	U	U
Total Fluid Added	0	0	0

PREVIOUS SAMPLE

POTASSIUM IS ELEVATED. NO GLYCOL/WATER DETECTED. ALL OTHER ANALYSIS READINGS APPEAR NORMAL. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. MONITOR FLUID LEVELS/USAGE. RESAMPLE IN 250 HOURS TO MONITOR.

For additional sample history, go to: [S.O.S WEB](#)

CONDITION / CONTAMINATION

	30-Jul-25	29-Dec-23	30-Sep-23
VISCOSITY (CENTISTOKES) ASTM D445			
V100 Viscosity at 100 C	12.40	13.00	12.90

INFRARED (UFM) ASTM E2412

	30-Jul-25	29-Dec-23	30-Sep-23
ST Soot	14	11	13
OXI Oxidation	19	27	18
SUL Sulfate By-Product	23	25	24
Sulfur Products	23	25	24
NIT Nitration	8	11	12

WEAR LEVELS / ADDITIVES

ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]

	30-Jul-25	29-Dec-23	30-Sep-23
Cu Copper	1	2	3
Fe Iron	6	10	15
Cr Chromium	0	0	1
Al Aluminum	2	6	5
Pb Lead	0	0	0
Sn Tin	0	0	0
Si Silicon	5	5	7
Na Sodium	14	9	6
K Potassium	2	367	0
Mo Molybdenum	57	948	99
Ni Nickel	0	0	0
Ag Silver	0	0	0
Ti Titanium	0	0	0
V Vanadium	0	0	0
Ca Calcium	1892	969	2453
P Phosphorus	885	319	1230
Zn Zinc	1048	333	1299
Mg Magnesium	549	175	159
Ba Barium	0	0	0
B Boron	29	153	23
Sb Antimony	0	0	0

WATER

	30-Jul-25	29-Dec-23	30-Sep-23
W Water	N	N	N

ANTIFREEZE

	30-Jul-25	29-Dec-23	30-Sep-23
A Antifreeze	N	N	N

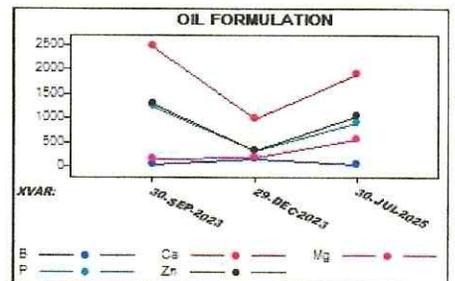
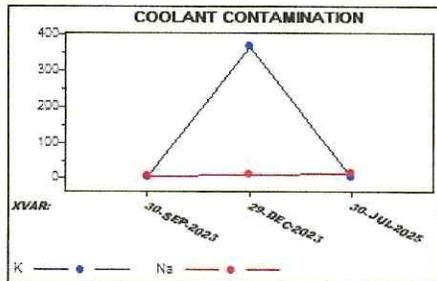
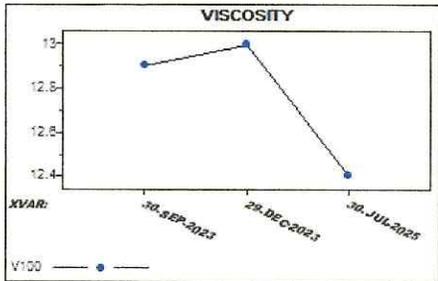
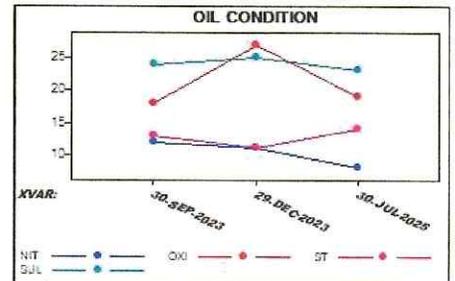
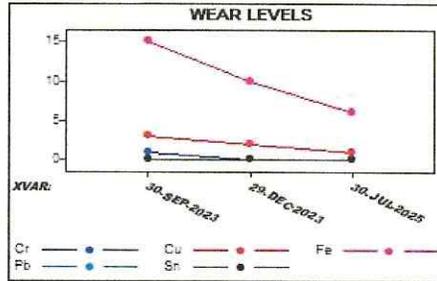
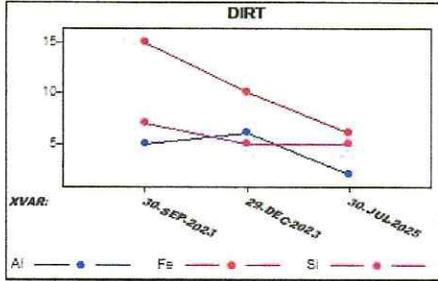
FUEL

	30-Jul-25	29-Dec-23	30-Sep-23
F Fuel	N	N	N

FUEL CONTENT (%) ASTM D3524

	30-Jul-25	29-Dec-23	30-Sep-23
PFC Percent Fuel	3.69	3.74	3.02

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or component thereof.



Report Comment

VisionLink® will be the new home for S-O-SSM Services fluid analysis. Begin the transition to VisionLink now - Sign up or log into vl.cat.com to update your settings, manage your fleet, configure your jobsites (groups), and view your samples. The ability for users to submit samples, track samples, view and graph sample history, and download reports are coming to VisionLink soon.



FIELD SERVICE REPORT

EQUIP #	DATE
374-074	7 / 10 / 24
HOUR METER	SERVICEMAN NAME
8202	John Faischild

JOB LOCATION	COMPONENT #	COMP. DESCRIPTION	REPLACEMENT COMP. #	COMP. FAILURE	
Redlands		Service		YES	NO
REBUILT ON SITE	REBUILT BY SHOP	CUST. BACKCHARGE		BACKCHARGE HOURS	
		YES	NO	CUSTOMER	

VENDOR	PO #	DESCRIPTION OF REPAIRS PERFORMED
		PM 1 250 Hour Service
		Change Oil, Fuel & Fuel/Water Separator Filters
		Change Oil, Fuel & Fuel/Water Separator Filters
		Blew out Air & Cab Filters
CAUSE OF FAILURE		

Please fill out form **completely** in legible handwriting. If information is not available, mark N/A.



FIELD SERVICE REPORT

EQUIP #	DATE
374-074	5 / 3 / 24
HOUR METER	SERVICEMAN NAME
7760	Andrew

JOB LOCATION	COMPONENT #	COMP. DESCRIPTION	REPLACEMENT COMP. #	COMP. FAILURE	
		Service		YES	NO
REBUILT ON SITE	REBUILT BY SHOP	CUST. BACKCHARGE	BACKCHARGE HOURS	CUSTOMER	
		YES	NO		

VENDOR	PO #	DESCRIPTION OF REPAIRS PERFORMED
		PM4 2000 hrs Service
		Changed Eng oil 3 filter
		Changed Fuel Filters
		Changed All Air Filters
		Changed Final oil on Left and Right
		Change 1 of 2 Hyd filters only had 1 223-7809 ordered
		Needs 419-8528 (2) Hyd Element
		hand 1- 179-9806

CAUSE OF FAILURE

Please fill out form **completely** in legible handwriting. If information is not available, mark N/A.



SERVICE REPORT

EQUIPMENT# 374FI - 074	DATE 9.30.23
HOUR METER 6,985	SERVICEMANNAME Andrew

JOB LOCATION	COMPONENT #	COMP. DESCRIPTION	REPLACEMENT COMP. #	COMP. FAILURE	
Cache Creek		Service		YES	NO
REBUILT ON SITE	REBUILT BY SHOP	CUST. BACKCHARGE	BACKCHARGE HOURS	CUSTOMER	

VENDOR	PO	DESCRIPTION OF REPAIRS PERFORMED
		PM3 1,000 hr service
		Changed all filters
		Changed RH & LH swing drive oil

CAUSE OF FAILURE

GPS