

ENGINE

EQUIP NUM: 5007

SERIAL NUMBER: B9D02133

CAT 140M

No Action Required

DL
7-23-25

Interp By: Chris Gillis

Interpreted On: 14-Jul-25

E500-55195-0025

SHOP JOB NUM : SALT CREEK

WIND

SAMPLE SHIP TIME (days) : 12

J B HOLLAND

CONSTRUCTION INC

RECEIVED DATE: 11-Jul-25

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT
NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT
RECOMMENDED INTERVALS.

SAMPLE INFORMATION

	02-Jul-25	27-Sep-24	09-Oct-23	12-Jun-23
Sampled Date	02-Jul-25	27-Sep-24	09-Oct-23	12-Jun-23
Sample Id	E500-55195-0025	E500-54281-0197	E500-53286-0011	E500-53167-0001
Lab Date	14-Jul-25	07-Oct-24	13-Oct-23	16-Jun-23
Meter [Hr]	10302	10000	9679	9371
Meter On Fluid	302	321	308	288
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type				
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED
NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS
INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY
SAMPLING AT RECOMMENDED INTERVALS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

		02-Jul-25	27-Sep-24	09-Oct-23	12-Jun-23
VISCOSITY (CENTISTOKES)					
V100	Viscosity at 100 C	11.90	11.90	12.30	12.40

INFRARED (UFM)

ST	Soot	18	24	29	29
OXI	Oxidation	16	15	15	15
NIT	Nitration	0	0	0	38
SUL	Sulfate By-Product	23	22	21	22
	Sulfur Products	23	22	21	22

CLEANLINESS

		02-Jul-25	27-Sep-24	09-Oct-23	12-Jun-23
FUEL CONTENT (%)					
PFc	Percent Fuel	1.56	1.27	1.83	1.44

PQ INDEX

PQI	PQ Index	8	9	11	8
-----	----------	---	---	----	---

WATER

W	Water	N	N	N	N
---	-------	---	---	---	---

FUEL

F	Fuel	N	N	N	N
---	------	---	---	---	---

WEAR LEVELS / ADDITIVES

		02-Jul-25	27-Sep-24	09-Oct-23	12-Jun-23
--	--	-----------	-----------	-----------	-----------

ELEMENTAL ANALYSIS (PPM)

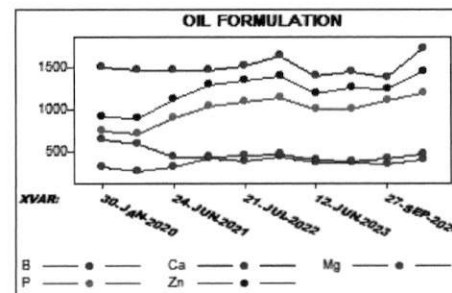
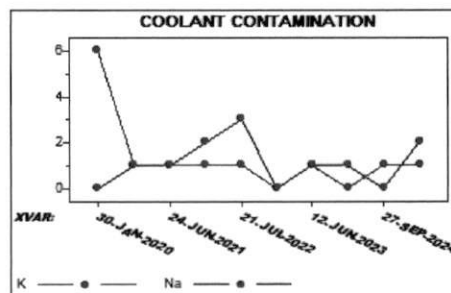
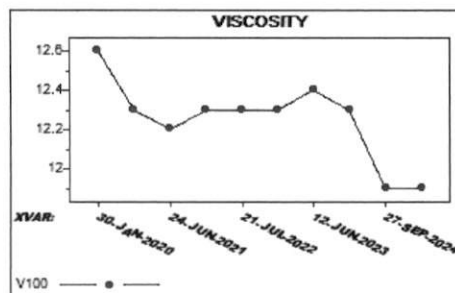
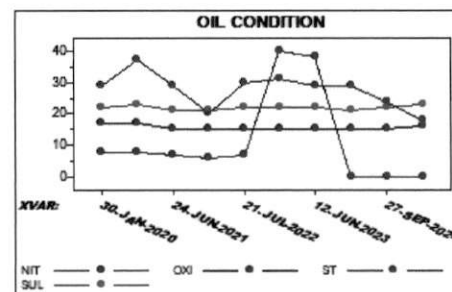
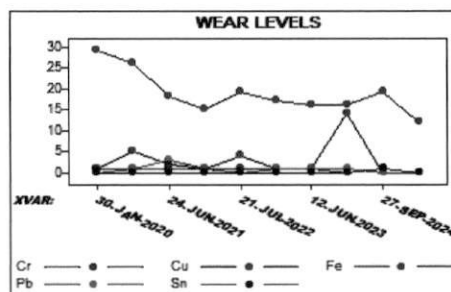
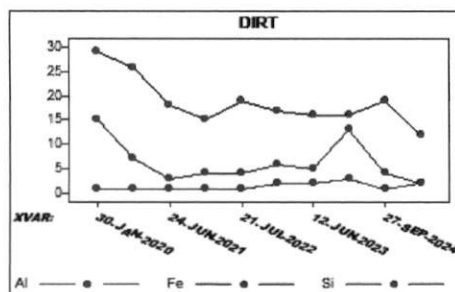
Cu	Copper	0	0	14	1
Fe	Iron	12	19	16	16
Cr	Chromium	0	1	0	1
Al	Aluminum	2	1	3	2
Pb	Lead	0	0	1	1
Sn	Tin	0	1	0	0
Si	Silicon	2	4	13	5
Na	Sodium	2	0	1	1
K	Potassium	1	1	0	1
Mo	Molybdenum	93	88	82	89
Ni	Nickel	0	0	1	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	1	0
V	Vanadium	0	0	0	1
Mn	Manganese	0	0	0	1
Cd	Cadmium	0	0	1	0
Ca	Calcium	1720	1386	1454	1396
P	Phosphorus	1189	1101	996	1003
Zn	Zinc	1448	1244	1260	1188
Mg	Magnesium	463	420	385	390
Ba	Barium	0	0	0	0
B	Boron	397	338	358	365

ENGINE
SERIAL NUMBER: B9D02133
EQUIP NUM: 5007
CAT 140M

E500-55195-0025



No Action Required



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.

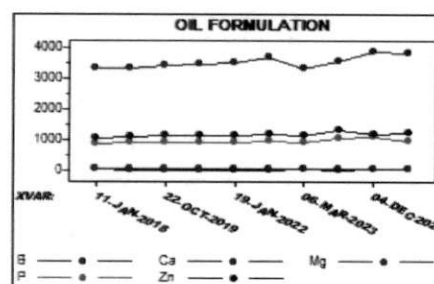
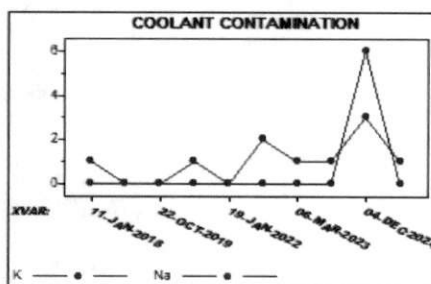
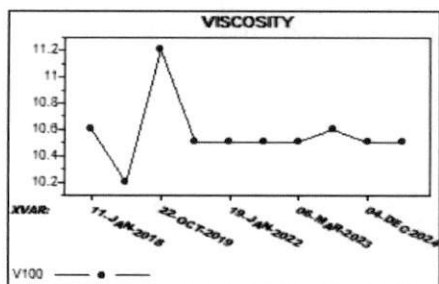
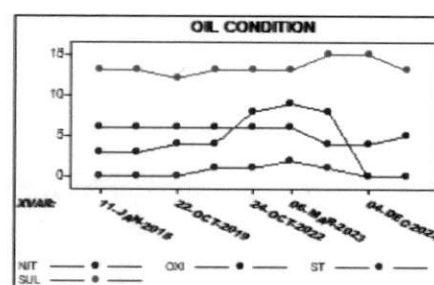
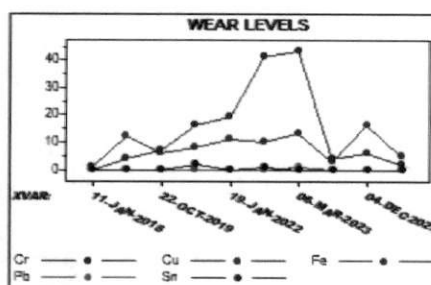
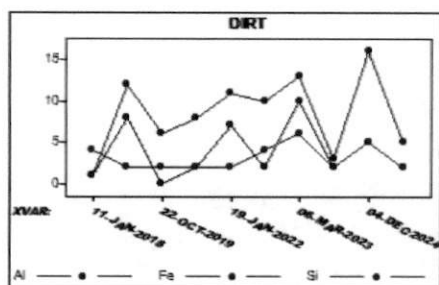
GARY MAHR
J B HOLLAND CONSTRUCTION INC
2191 US HWY 52
DECORAH, IA 52101
US

TRANSMISSION DIFF
SERIAL NUMBER: B9D02133
EQUIP NUM: 5007
CAT 140M

E500-55213-2004



No Action Required



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.

GARY MAHR
J B HOLLAND CONSTRUCTION INC
2191 US HWY 52
DECORAH, IA 52101
US



TRANSMISSION DIFF

EQUIP NUM: 5007

SERIAL NUMBER: B9D02133

CAT 140M

No Action Required

E500-55213-2004

SHOP JOB NUM : SALT CREEK

TAMA

SAMPLE SHIP TIME (days) : 7

J B HOLLAND

CONSTRUCTION INC

RECEIVED DATE: 31-Jul-25

DL
8-13-25

Interp By: Chris Gillis

Interpreted On: 01-Aug-25

SAMPLE INFORMATION

	25-Jul-25	04-Dec-24	27-Sep-23	06-Mar-23
Sampled Date	25-Jul-25	04-Dec-24	27-Sep-23	06-Mar-23
Sample Id	E500-55213-2004	E500-54344-2089	E500-53277-2002	E500-53069-2005
Lab Date	01-Aug-25	09-Dec-24	04-Oct-23	10-Mar-23
Meter [Hr]	10375	10028	9666	9192
Meter On Fluid	347	836	474	1222
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	30	30	30	30
Fluid Type				
Fluid Change	N	Y	N	Y
Filter Change	N	Y	Y	Y
Total Fluid Added	0	0	0	0

WEAR LEVELS / ADDITIVES

25-Jul-25 04-Dec-24 27-Sep-23 06-Mar-23

ELEMENTAL ANALYSIS (PPM)

Cu	Copper	2	6	4	43
Fe	Iron	5	16	3	13
Cr	Chromium	0	0	0	0
Al	Aluminum	2	5	2	10
Pb	Lead	0	0	0	1
Sn	Tin	0	0	0	0
Si	Silicon	2	5	2	6
Na	Sodium	1	3	1	1
K	Potassium	0	6	0	0
Mo	Molybdenum	2	7	0	0
Ni	Nickel	0	0	2	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Mn	Manganese	0	0	0	0
Cd	Cadmium	0	0	1	0
Ca	Calcium	3820	3844	3562	3298
P	Phosphorus	957	1097	1011	902
Zn	Zinc	1193	1190	1296	1106
Mg	Magnesium	13	40	10	8
Ba	Barium	0	0	0	0
B	Boron	6	18	1	10

PREVIOUS SAMPLE

SAMPLE CONTAINS VISIBLE DEBRIS. CHECK FOR SOURCE OF CONTAMINATION. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	25-Jul-25	04-Dec-24	27-Sep-23	06-Mar-23
VISCOSITY (CENTISTOKES)				
V100 Viscosity at 100 C	10.50	10.50	10.60	10.50

INFRARED (UFM)

ST	Soot	0	0	1	2
OXI	Oxidation	5	4	4	6
NIT	Nitration	0	0	8	9
SUL	Sulfate By-Product	13	15	15	13
	Sulfur Products	13	15	15	13

PARTICLE COUNT

ISO	ISO Code Rating	20/17/12	DEBRIS	19/17/14	22/18/13
-----	-----------------	----------	--------	----------	----------

LRG PARTICLE DETECT

PC Ra	PC Rating	NVP
-------	-----------	-----

CLEANLINESS

		25-Jul-25	04-Dec-24	27-Sep-23	06-Mar-23
PQ INDEX					
PQI	PQ Index	6	12	8	10

WATER

W	Water	N	N	N	N
---	-------	---	---	---	---