

ENGINE

N030-55269-1023

LABEL#: 201974534

SAMPLE SHIP TIME (days) : 14

PIDHERNEYS INC

RECEIVED DATE: 26-Sep-25

EQUIP NUM: 7845
CAT D6T

No Action Required
SERIAL NUMBER: MH700336
Interp By: Gregory Scribner
Interpreted On: 02-Oct-25

SLIGHTLY ELEVATED IRON CONTENT. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

SAMPLE INFORMATION

	12-Sep-25	06-Aug-25	22-Jun-25	24-Apr-25
Sampled Date	12-Sep-25	06-Aug-25	22-Jun-25	24-Apr-25
Sample Id	N030-55269-1023	N030-55227-0925	N030-55181-0036	N030-55128-0778
Lab Date	26-Sep-25	15-Aug-25	30-Jun-25	08-May-25
Meter [Hr]	8374.0	8079.0	7722.0	7271.0
Comp Meter [Hr]				7271.0
Meter On Fluid	295.0	357.0	627.0	176.0
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	5W-40	5W-40	5W-40	5W-40
Fluid Type	DELO 400 XSP	DELO 400 XSP	DELO 400 XSP	DELO 400 XSP
Fluid Change	N	Y	Y	N
Filter Change	N	Y	Y	N

CONDITION / CONTAMINATION

		12-Sep-25	06-Aug-25	22-Jun-25	24-Apr-25
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	13.70	14.10	13.20	14.40
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	82.20	86.50	81.90	87.30
VISCOSITY INDEX					
VI	Viscosity Index	171	169	163	172

WEAR LEVELS / ADDITIVES

		12-Sep-25	06-Aug-25	22-Jun-25	24-Apr-25
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	7	8	10	6
K	Potassium	3	4	3	3
Si	Silicon	6	7	6	7
Al	Aluminum	4	5	8	4
Fe	Iron	34	28	47	18
Cr	Chromium	1	1	2	1
Pb	Lead	1	6	12	1
Cu	Copper	1	2	3	1
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	819	911	891	839
Ca	Calcium	1327	1495	1529	1387
Mg	Magnesium	663	688	609	627
Ba	Barium	0	0	0	0
B	Boron	26	24	21	49
Mo	Molybdenum	2	3	3	2
P	Phosphorus	674	726	705	691

INFRARED (UFM)

ST	Soot	30	48	67	18
OXI	Oxidation	18	21	23	14
SUL	Sulfate By-Product	22	24	28	20
NIT	Nitration	11	12	13	10

ANTIFREEZE

A	Antifreeze	N	N	N	N
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FUEL

F	Fuel	N	N	N	N
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WATER

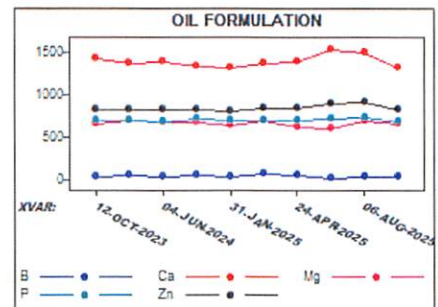
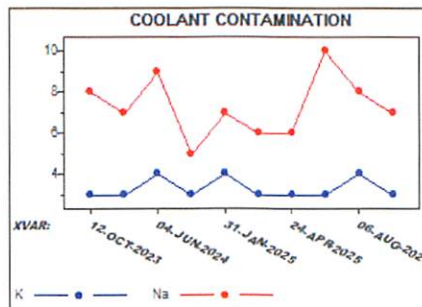
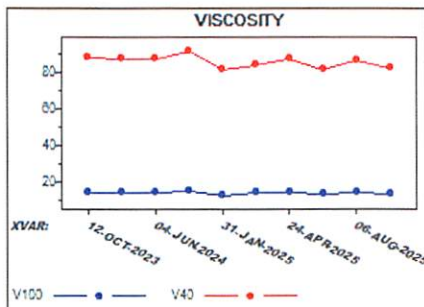
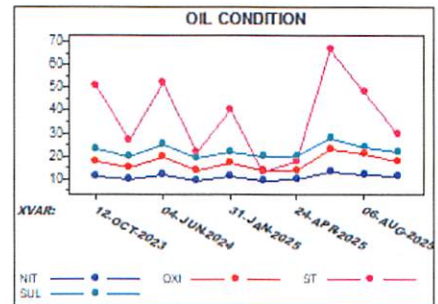
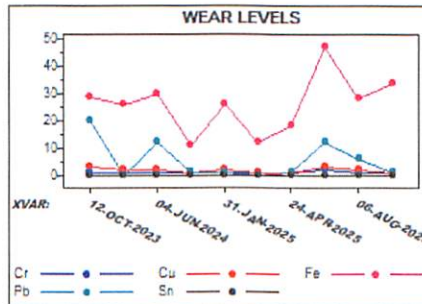
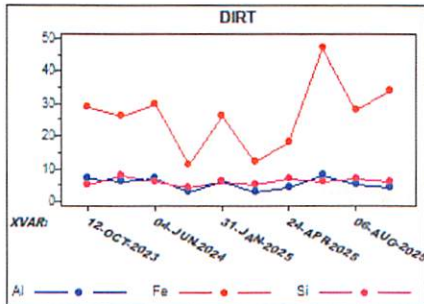
W	Water	N	N	N	N
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ENGINE
SERIAL NUMBER: MH700336
EQUIP NUM: 7845
CAT D6T

N030-55269-1023



No Action Required



Report Comment

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FINAL DRIVE REAR LEFT

EQUIP NUM: 7845

SERIAL NUMBER: MH700336

N030-55227-0758

LABEL#: 201937044

SAMPLE SHIP TIME (days) : 9

PIDHERNEYS INC

RECEIVED DATE: 15-Aug-25

CAT D6T

No Action Required

NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

 Interp By: Dipali Rote
Interpreted On: 21-Aug-25

SAMPLE INFORMATION

	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
Sampled Date	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
Sample Id	N030-55227-0758	N030-55181-0139	N030-55104-1122	N030-55050-0949
Lab Date	15-Aug-25	30-Jun-25	14-Apr-25	19-Feb-25
Meter [Hr]	8079.0	7722.0	7095.0	6597.0
Comp Meter [Hr]			7095.0	6597.0
Meter On Fluid	1868.0	1511.0	884.0	386.0
Fluid Brand	SHELL	SHELL	SHELL	SHELL
Fluid Weight	60	60	60	60
Fluid Type	SPIRAX S6 CXME	SPIRAX S6 CXME	SPIRAX S6 CXME	SPIRAX S6 CXME
Fluid Change	N	N	N	N
Filter Change	N	N	N	N

CONDITION / CONTAMINATION

	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
VISCOSITY (Centistokes)				
V100 Viscosity at 100 C	24.30	24.60	24.30	24.40
VISCOSITY (Centistokes)				
V40 Viscosity at 40 C	189.6	185.9	186.8	186.4
VISCOSITY INDEX				
VI Viscosity Index	160	164	162	162

WEAR LEVELS / ADDITIVES

	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
ELEMENTAL ANALYSIS (ppm)				
Na Sodium	4	4	5	4
K Potassium	1	3	2	1
Si Silicon	21	64	65	59
Al Aluminum	2	7	7	7
Fe Iron	45	125	117	90
Cr Chromium	1	3	2	1
Pb Lead	0	0	0	0
Cu Copper	0	0	0	0
Sn Tin	0	0	0	0
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Zn Zinc	17	20	16	18
Ca Calcium	301	319	285	328
Mg Magnesium	1	3	3	2
Ba Barium	0	0	0	0
B Boron	92	81	92	87
Mo Molybdenum	0	1	1	1
P Phosphorus	312	286	266	302

INFRARED (UFM)

ST Soot	0	0	0	0
OXI Oxidation	8	8	8	8
SUL Sulfate By-Product	14	13	13	13
NIT Nitration	3	3	3	3

WATER

W Water	N	N	N	N
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CLEANLINESS

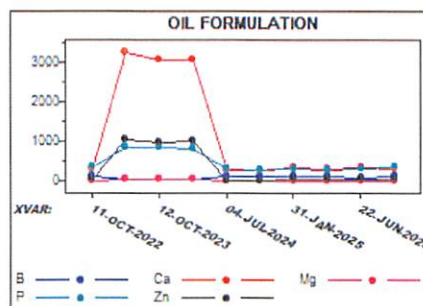
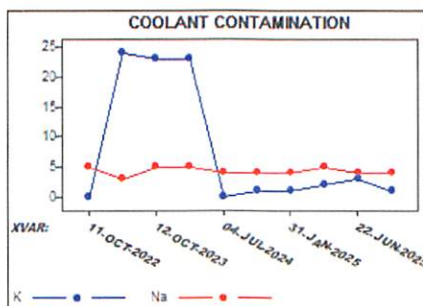
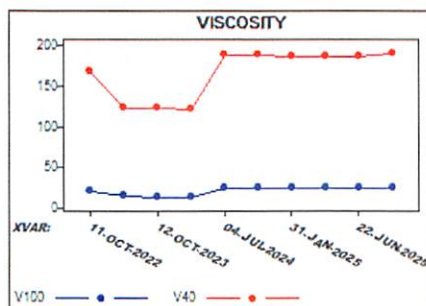
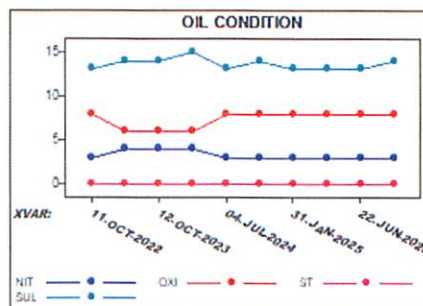
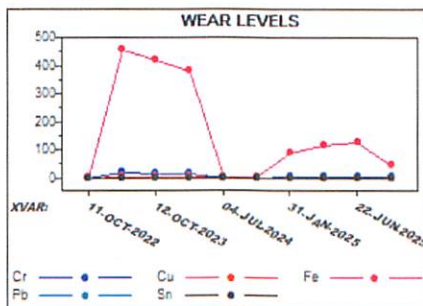
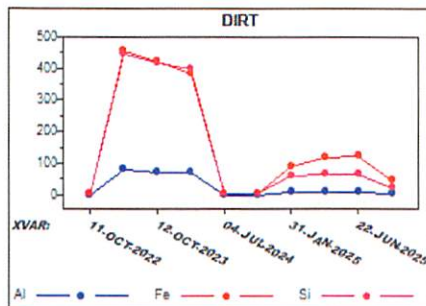
	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
PARTICLE COUNT				
ISO ISO Code Rating	23/23/17	23/23/18	24/23/17	24/23/19
4µ 4µ	64798	64821	86153	82206
6µ 6µ	41922	46420	48587	53400
10µ 10µ	8585	15218	7985	17871
14µ 14µ	894	1905	801	4778
18µ 18µ	235	425		
21µ 21µ	112	272	105	598
38µ 38µ	8	40	5	12
50µ 50µ	1	13		

FINAL DRIVE REAR LEFT
SERIAL NUMBER: MH700336
EQUIP NUM: 7845
CAT D6T

N030-55227-0758



No Action Required



Report Comment

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FINAL DRIVE REAR

RIGHT

N030-55227-0905

LABEL#: 201894239

SAMPLE SHIP TIME (days): 9

PIPHERNEYS INC

RECEIVED DATE: 15-Aug-25

EQUIP NUM: 7845

CAT D6T



Monitor Compartment

SERIAL NUMBER: MH700336

Interp By: Gregory Scribner

Interpreted On: 21-Aug-25

ELEVATED SILICON MAY BE ASSOCIATED WITH DIRT ENTRY, FRICTION MATERIAL, NON-ABRASIVE RESIDUALS OF ASSEMBLY OR REPAIR COMPOUNDS, SEALS, GASKETS, GREASES ETC. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL. EXAMINE HOUSING SEALS, BREATHERS, PLUGS FOR INDICATIONS OF LEAKAGE OR DIRT/ WATER ENTRY.

SAMPLE INFORMATION

	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
Sampled Date	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
Sample Id	N030-55227-0905	N030-55181-0138	N030-55104-1123	N030-55050-1031
Lab Date	15-Aug-25	30-Jun-25	14-Apr-25	19-Feb-25
Meter [Hr]	8079.0	7722.0	7095.0	6597.0
Comp Meter [Hr]			7095.0	6597.0
Meter On Fluid	1868.0	1511.0	884.0	386.0
Fluid Brand	SHELL	SHELL	SHELL	SHELL
Fluid Weight	60	60	60	60
Fluid Type	SPIRAX S6 CFD ME 6	SPIRAX S6 CFD ME 6	SPIRAX S6 CFD ME 6	SPIRAX S6 CFD ME 6
Fluid Change	N	N	N	N
Filter Change	N	N	N	N

CONDITION / CONTAMINATION

	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
VISCOSITY (Centistokes)				
V100 Viscosity at 100 C	23.70	23.90	23.70	24.20

VISCOSITY (Centistokes)				
V40 Viscosity at 40 C	183.2	182.4	182.7	190.7

VISCOSITY INDEX				
VI Viscosity Index	160	162	160	157

INFRARED (UFM)				
ST Soot	0	0	0	0
OXI Oxidation	8	8	8	8
SUL Sulfate By-Product	14	14	14	13
NIT Nitration	3	3	3	3

WATER				
W Water	N	N	N	N

CLEANLINESS

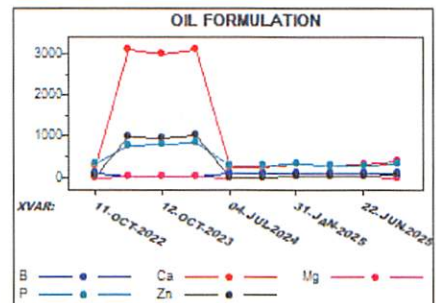
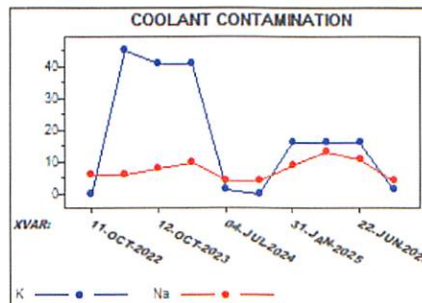
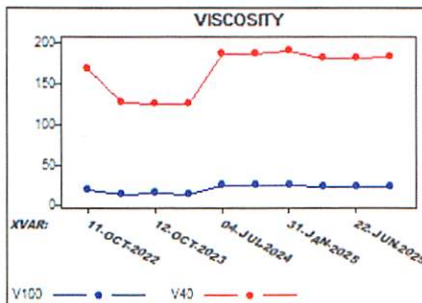
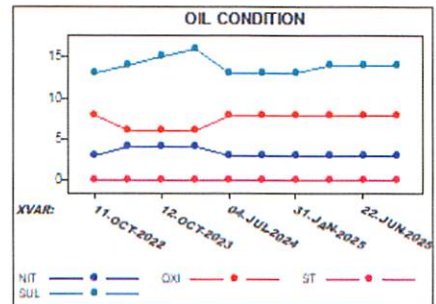
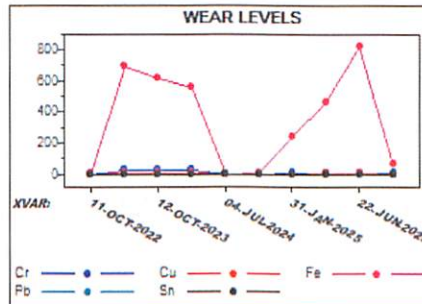
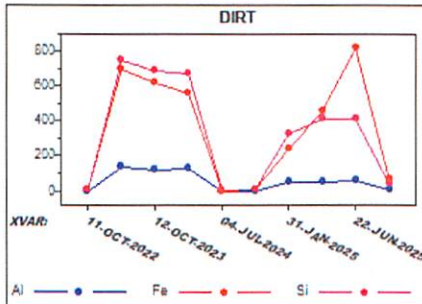
	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
PARTICLE COUNT				
ISO ISO Code Rating	23/23/17	METAL	METAL	24/23/22
PC Ra PC Rating		A2 FERROUS	A3 FERROUS	
4µ 4µ	64712			87221
6µ 6µ	44156			70332
10µ 10µ	11189			41399
14µ 14µ	890			20270
18µ 18µ	137			
21µ 21µ	64			4260
38µ 38µ	5			26
50µ 50µ	1			

WEAR LEVELS / ADDITIVES

	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
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ELEMENTAL ANALYSIS (ppm)

Na Sodium	4	11	13	9
K Potassium	1	16	16	16
Si Silicon	36	413	410	321
Al Aluminum	4	53	50	44
Fe Iron	66	815	459	238
Cr Chromium	1	7	4	2
Pb Lead	0	0	0	0
Cu Copper	0	1	1	0
Sn Tin	0	0	0	0
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	3	3	3
V Vanadium	0	0	0	0
Zn Zinc	41	14	12	14
Ca Calcium	376	301	293	311
Mg Magnesium	2	13	13	6
Ba Barium	0	1	1	1
B Boron	92	86	96	88
Mo Molybdenum	1	2	2	0
P Phosphorus	319	282	282	314



Report Comment

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HYDRAULIC SYSTEM

N030-55227-0913

LABEL#: 201937446

SAMPLE SHIP TIME (days) : 9

PIDHERNEYS INC

RECEIVED DATE: 15-Aug-25

EQUIP NUM: 7845

CAT D6T



No Action Required

SERIAL NUMBER: MH700336

Interp By: Gregory Scribner

Interpreted On: 21-Aug-25

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

SAMPLE INFORMATION

	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
Sampled Date	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
Sample Id	N030-55227-0913	N030-55181-0141	N030-55104-0919	N030-55050-1012
Lab Date	15-Aug-25	30-Jun-25	14-Apr-25	19-Feb-25
Meter [Hr]	8079.0	7722.0	7095.0	6597.0
Comp Meter [Hr]			7095.0	6597.0
Meter On Fluid	1868.0	1511.0	884.0	386.0
Fluid Brand	CAT	CAT	CAT	CAT
Fluid Weight	10W	10W	10W	10W
Fluid Type	HYDO ADVANCED	HYDO ADVANCED	HYDO ADVANCED	HYDO ADVANCED
Fluid Change	N	N	N	N
Filter Change	Y	Y	Y	Y

CONDITION / CONTAMINATION

		06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	6.900	6.900	6.900	6.900
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	43.80	43.50	43.20	43.60
VISCOSITY INDEX					
VI	Viscosity Index	114	116	117	115

WEAR LEVELS / ADDITIVES

	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
ELEMENTAL ANALYSIS (ppm)				
Na Sodium	1	1	1	1
K Potassium	2	2	2	3
Si Silicon	14	13	12	10
Al Aluminum	6	5	5	4
Fe Iron	18	16	16	17
Cr Chromium	1	1	1	1
Pb Lead	1	0	0	0
Cu Copper	10	8	8	8
Sn Tin	0	0	0	0
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Zn Zinc	986	919	887	903
Ca Calcium	308	313	293	301
Mg Magnesium	47	44	45	46
Ba Barium	1	1	0	0
B Boron	3	3	3	3
Mo Molybdenum	2	1	3	1
P Phosphorus	695	678	660	701

INFRARED (UFM)

ST	Soot	0	0	0	0
OXI	Oxidation	5	5	5	5
SUL	Sulfate By-Product	13	13	13	13
NIT	Nitration	2	2	2	2

ANTIFREEZE

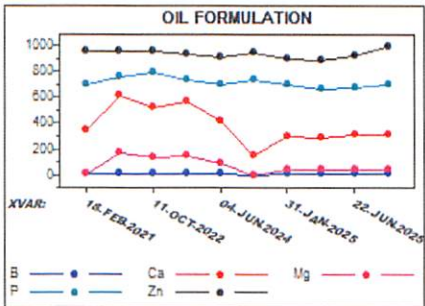
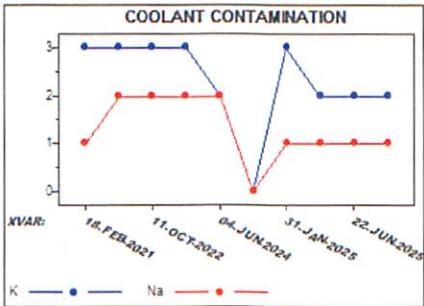
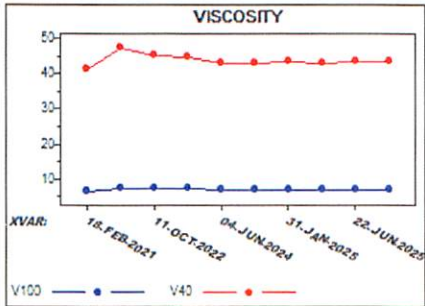
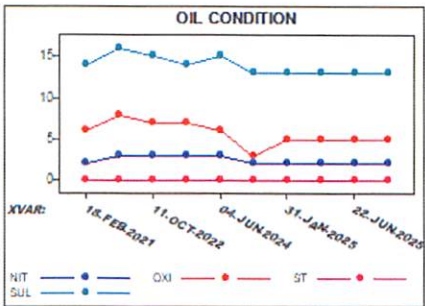
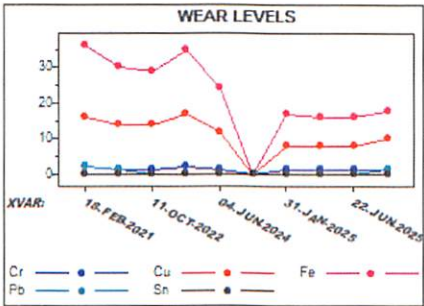
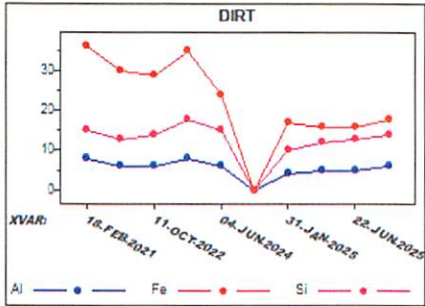
A	Antifreeze	N	N	N	N
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WATER

W	Water	N	N	N	N
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CLEANLINESS

		06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
PARTICLE COUNT					
ISO	ISO Code Rating	19/14/11	20/15/12	19/16/12	21/19/15
4μ	4μ	4464	5086	4416	17640
6μ	6μ	139	205	362	3471
10μ	10μ	33	51	67	717
14μ	14μ	13	22	22	236
18μ	18μ	6	12		
21μ	21μ	4	6	6	56
38μ	38μ	1	0	0	3
50μ	50μ	0	0		



Report Comment

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TRANSMISSION POWER
SHIFT

N030-55227-0914

LABEL#: 201937517

SAMPLE SHIP TIME (days): 9

PIDHERNEYS INC

RECEIVED DATE: 15-Aug-25

EQUIP NUM: 7845

CAT D6T

No Comment

SERIAL NUMBER: MH700336

Interp By: Gregory Scribner

Interpreted On: 21-Aug-25

ALL WEAR METAL READINGS TESTED AT 0-1PPM, A NEW OIL MAY HAVE BEEN SUBMITTED FOR ANALYSIS. ELEVATED ISO CODE. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

SAMPLE INFORMATION

	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
Sampled Date	06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
Sample Id	N030-55227-0914	N030-55181-0140	N030-55104-0921	N030-55050-1016
Lab Date	15-Aug-25	30-Jun-25	14-Apr-25	19-Feb-25
Meter [Hr]	8079.0	7722.0	7095.0	6597.0
Comp Meter [Hr]			7095.0	6597.0
Meter On Fluid	984.0	627.0	884.0	386.0
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	10W-40	10W-40	10W-40	10W-40
Fluid Type	DELO TORQFORCE M	DELO TORQFORCE M	DELO TORQFORCE M	DELO TORQFORCE M
Fluid Change	Y	N	Y	N
Filter Change	Y	Y	Y	N

CONDITION / CONTAMINATION

		06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	14.40	14.80	14.20	14.00
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	106.8	111.8	108.8	104.0
VISCOSITY INDEX					
VI	Viscosity Index	138	137	132	136

WEAR LEVELS / ADDITIVES
ELEMENTAL ANALYSIS (ppm)

		06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
Na	Sodium	0	1	1	1
K	Potassium	2	0	1	1
Si	Silicon	3	12	5	5
Al	Aluminum	0	2	0	1
Fe	Iron	1	17	2	13
Cr	Chromium	0	0	0	0
Pb	Lead	0	0	0	0
Cu	Copper	0	4	0	2
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1059	1078	1140	1164
Ca	Calcium	3393	3294	3443	3330
Mg	Magnesium	8	10	10	14
Ba	Barium	0	0	0	0
B	Boron	6	15	2	15
Mo	Molybdenum	11	8	15	1
P	Phosphorus	818	865	901	948

INFRARED (UFM)

ST	Soot	0	0	0	0
OXI	Oxidation	6	7	6	8
SUL	Sulfate By-Product	13	14	12	17
NIT	Nitration	3	3	3	3

ANTIFREEZE

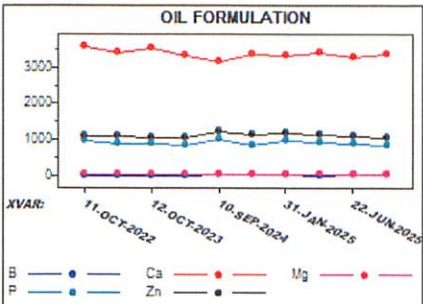
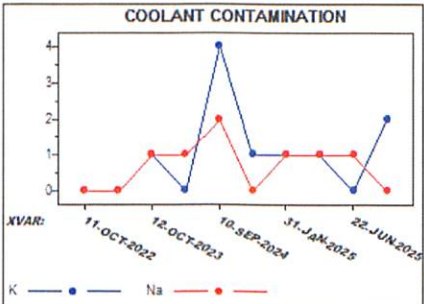
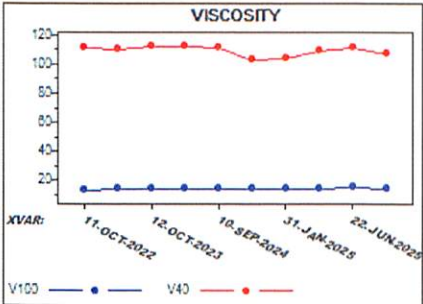
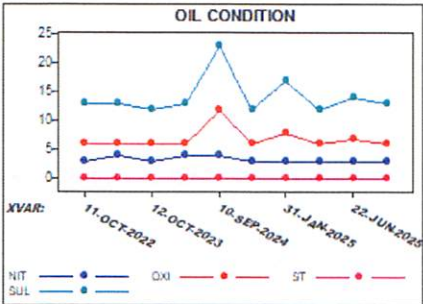
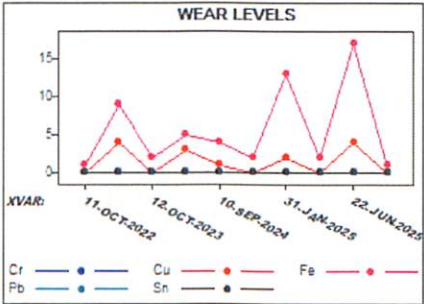
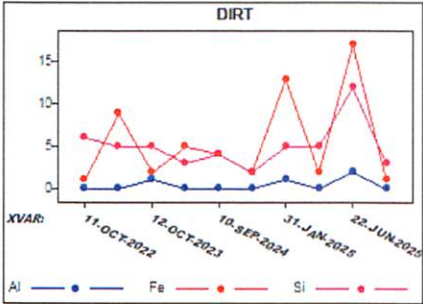
A	Antifreeze	N	N	N	N
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WATER

W	Water	N	N	N	N
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CLEANLINESS

		06-Aug-25	22-Jun-25	29-Mar-25	31-Jan-25
PARTICLE COUNT					
ISO	ISO Code Rating	22/20/15	21/16/13	22/21/16	23/21/14
4μ	4μ	23442	15470	37177	53615
6μ	6μ	6472	394	11157	13729
10μ	10μ	832	89	1628	838
14μ	14μ	179	44	335	124
18μ	18μ	41	26		
21μ	21μ	15	20	37	26
38μ	38μ	1	4	1	3
50μ	50μ	1	1		



Report Comment

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