CONSTRUCTION EQUIPMENT

SAMPLE INFORMATION

120280-1216 - Swing Drive

Sample No: LH0276851

PETRO CANADA TRAXON 75W90 SYNTHETIC Oil Type:

LH0276851

03 Nov 2023

Changed

ABNORMAL





American Iron and Metal 1273 Kelly Lake Rd. Sudbury, ON CA P3E 5P5

Contact: Service Manager

T:

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Sample	Status	
Oli Olia	ngeu	

Sample Number Sample Date

Machine Hours

Oil Hours

Visc @ 40°C

57.6

8000

LH0186037

5066

Changed

NORMAL

05 May 2022

LH0186286

07 Jun 2021

Changed

NORMAL

3041

LH0186202

25 Jan 2021

Changed

NORMAL

2163

0

F:

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	O 0	O 1	O 1
Sodium	ppm	4	O 0	O 2	3
Potassium	ppm	1	O 0	O <1	O <1



MEAD METAIC

Iron	ppm	28	O 17	46	7 6	
Copper	ppm	14	O 6	○ 38	O 24	
Lead	ppm	○ <1	O <1	O <1	1	
Tin	ppm	○ <1	O <1	O <1	O <1	
Aluminum	ppm	9	O <1	O <1	O <1	
Chromium	ppm	○ <1	O 0	O <1	O <1	
Molybdenum	ppm	44	O	O <1	O <1	
Nickel	ppm	○ <1	O 0	O <1	O <1	
Titanium	ppm	0	O 0	O 0	O 0	
Silver	ppm	0	0	<1	<1	
Manganese	ppm	3	O	O <1	O <1	
Vanadium	ppm	0	0	0	<1	



Calcium	ppm	826	6	10	6
Magnesium	ppm	707	0	3	3
Zinc	ppm	991	6	1 1	10
Phosphorus	ppm	1041	O 1613	O 1427	O 2343
Barium	ppm	0	O 0	O 2	1
Boron	ppm	43	O 223	258	35

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Aluminum ppm levels are abnormal. Thrust washer and/or bearing/bushing wear is indicated. There is a moderate concentration of water present in the oil. Free water present. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: AIMSUD **Unique No:** 5698133 Signed: Kevin Marson **Report Date:** 22 Dec 2023

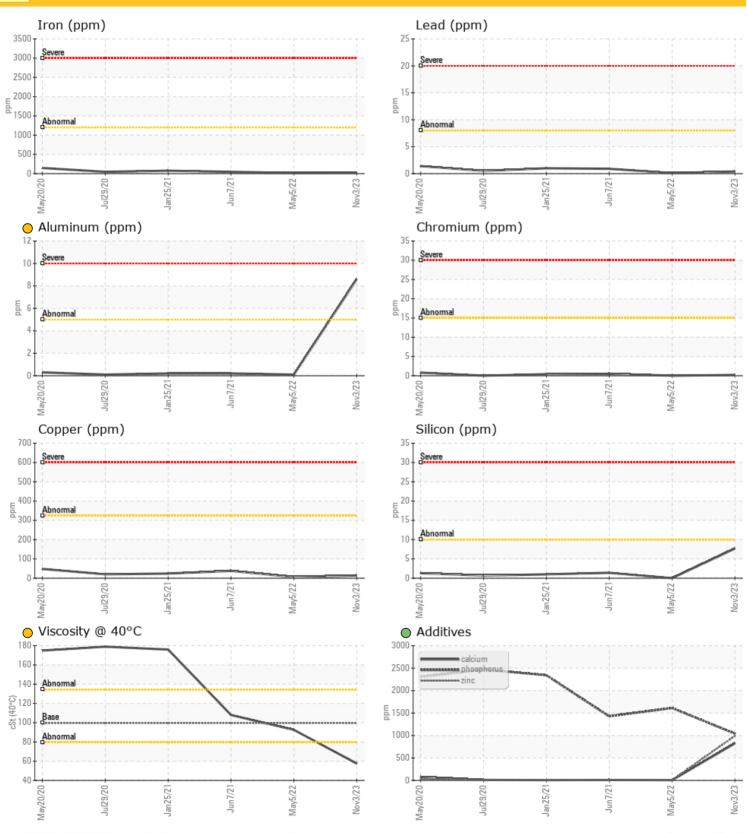
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CONSTRUCTION EQUIPMENT





GRAPHS



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