



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Equipment d`urgence/Salle de la Generatrice
Machine Id
13C02A Generatrice d`Urgence (S/N 67B01864)
Component
Diesel Engine
Fluid
PETRO CANADA DURON MARINE SAE 30 (138 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0751406	WC0751412	WC
Sample Date		Client Info		25 Oct 2023	03 Apr 2023	18 Oct 2022
Machine Age	hrs	Client Info		0	3070	3058
Oil Age	hrs	Client Info		53	0	63
Filter Age	hrs	Client Info		5	0	63
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<1	<1	2
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	1
Lead	ppm	ASTM D5185(m)	>40	<1	<1	1
Copper	ppm	ASTM D5185(m)	>330	6	4	32
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

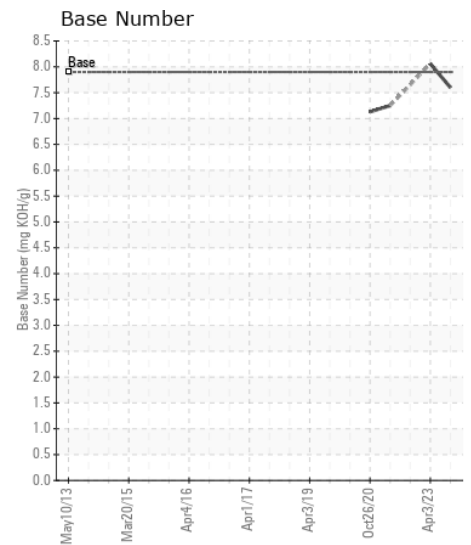
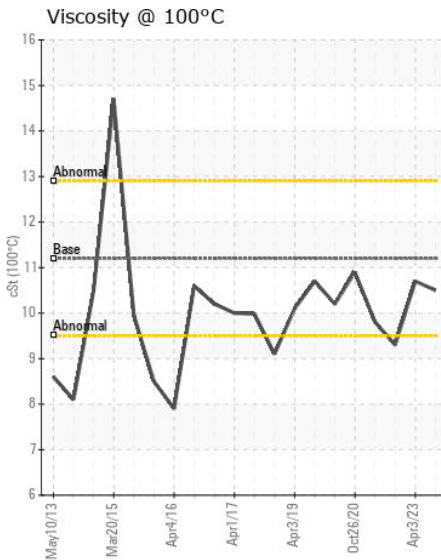
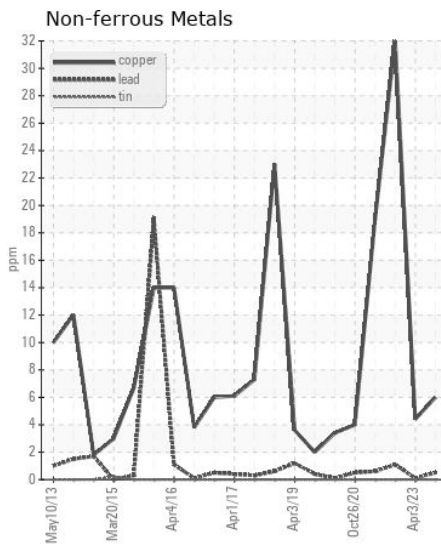
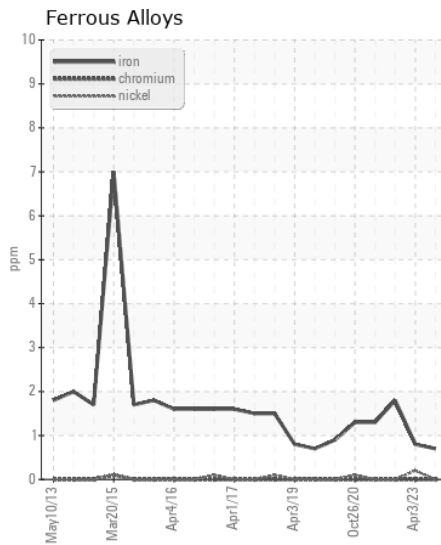
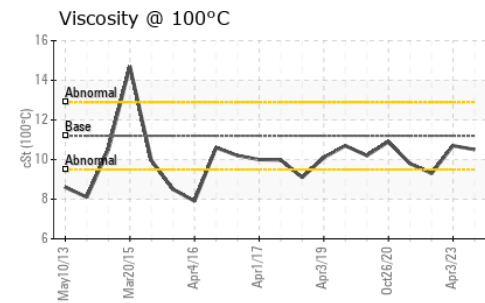
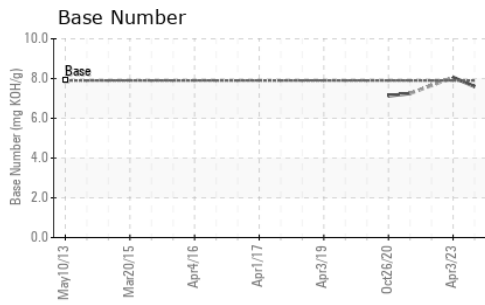
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	6	6	3
Potassium	ppm	ASTM D5185(m)	>20	0	0	<1
Fuel		WC Method	>5	<1.0	1.8	▲ 8.1
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	2.9	2.8	3.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	12.2	12.0	13.3
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<1	<1	2
Boron	ppm	ASTM D5185(m)	1.0	2	2	2
Barium	ppm	ASTM D5185(m)	1.0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	1.0	13	9	82
Manganese	ppm	ASTM D5185(m)	1	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	15	828	872	190
Calcium	ppm	ASTM D5185(m)	2540	1147	1171	1950
Phosphorus	ppm	ASTM D5185(m)	1000	1065	1192	814
Zinc	ppm	ASTM D5185(m)	1110	1216	1267	812
Sulfur	ppm	ASTM D5185(m)	3700	2626	2775	2000
Oxidation	Abs/.1mm	ASTM D7414*	>25	5.6	5.4	5.6
Base Number (BN)	mg KOH/g	ASTM D2896*	7.9	7.60	8.06	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.2	10.5	10.7	▲ 9.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0751406
Lab Number : 02593080
Unique Number : 5670159
Test Package : MAR 2
Received : 01 Nov 2023
Tested : 02 Nov 2023
Diagnosed : 02 Nov 2023 - Kevin Marson

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.