



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Area
Equipment d`urgence/Salle des Machines
 Machine Id
15J02C Compresseur d`air d`urgence Moteur (S/N 8920737)
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (14 LTR)

RECOMMENDATION

No corrective action is recommended at this time. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0829224	WC0751405	WC0392729
Sample Date		Client Info		24 Oct 2023	03 Apr 2023	26 Oct 2020
Machine Age	hrs	Client Info		58	37	50
Oil Age	hrs	Client Info		36	37	50
Filter Age	hrs	Client Info		36	0	50
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		None	None	N/A
Sample Status				MARGINAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>150	8	7	4
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	<1	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	1	1
Lead	ppm	ASTM D5185(m)	>40	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>30	2	2	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

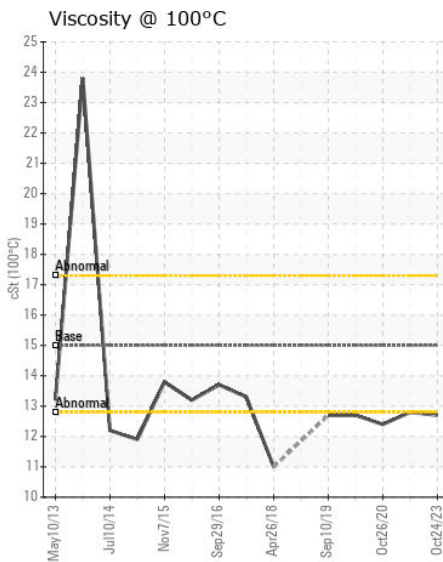
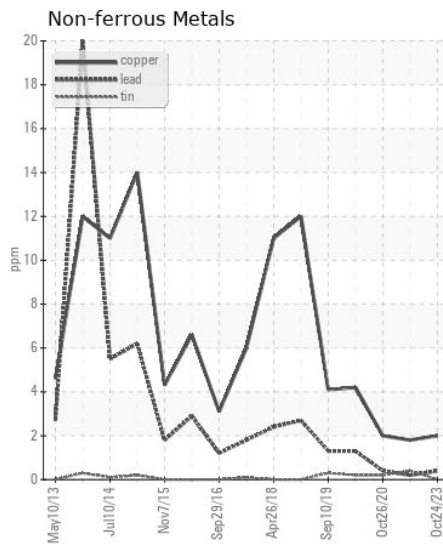
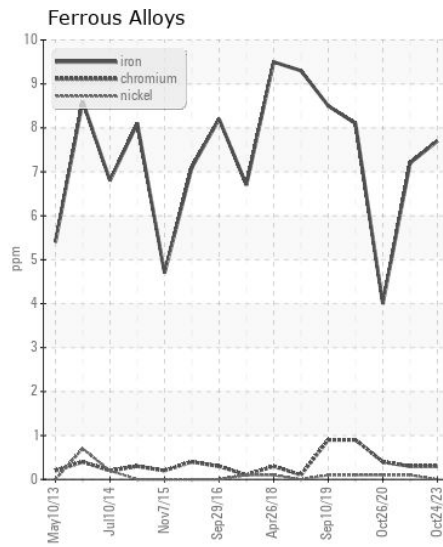
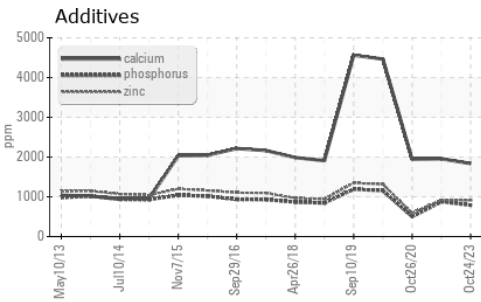
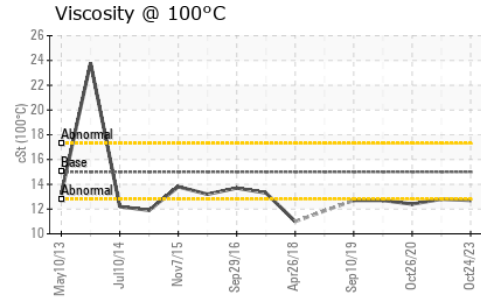
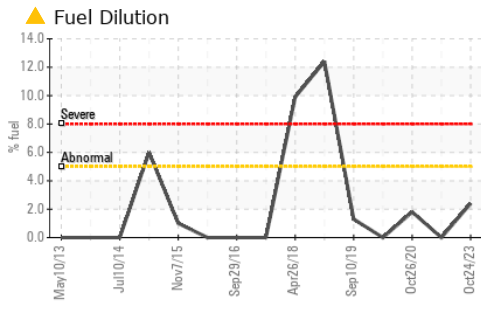
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	20	19	17
Potassium	ppm	ASTM D5185(m)	>20	0	<1	2
Fuel	%	ASTM D7593*	>5	▲ 2.4	<1.0	1.8
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	5.8	5.5	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.5	20.1	15.6
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		3	3	2
Boron	ppm	ASTM D5185(m)	0	70	72	96
Barium	ppm	ASTM D5185(m)	0	<1	<1	2
Molybdenum	ppm	ASTM D5185(m)	0	39	39	8
Manganese	ppm	ASTM D5185(m)		1	2	2
Magnesium	ppm	ASTM D5185(m)	0	480	484	10
Calcium	ppm	ASTM D5185(m)		1837	1956	1943
Phosphorus	ppm	ASTM D5185(m)		788	875	500
Zinc	ppm	ASTM D5185(m)		910	914	593
Sulfur	ppm	ASTM D5185(m)		2258	2386	1839
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.2	18.2	9.8
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	12.7	12.8	12.4



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0829224
Lab Number : 02593144
Unique Number : 5670223
Test Package : MAR 1 (Additional Tests: FUELDILUTION, PercentFuel)

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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.*