



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(MMSI 31605) DMC ENTERPRISES LTD
 Machine Id
80 FT COMMERCIAL FIS MV PETTENS LEGACY
 Component
1 Genset
 Fluid
SHELL ROTELLA T 15W40 (25 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0001080	---	---
Sample Date		Client Info		08 Apr 2024	---	---
Machine Age	hrs	Client Info		22	---	---
Oil Age	hrs	Client Info		22	---	---
Filter Age	hrs	Client Info		22	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>80	4	---	---
Chromium	ppm	ASTM D5185(m)	>6	<1	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	<1	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	2	---	---
Lead	ppm	ASTM D5185(m)	>95	<1	---	---
Copper	ppm	ASTM D5185(m)	>85	4	---	---
Tin	ppm	ASTM D5185(m)	>9	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

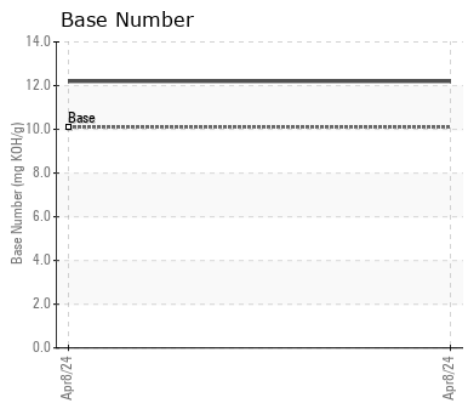
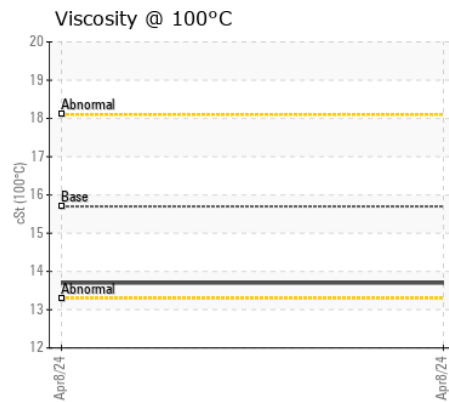
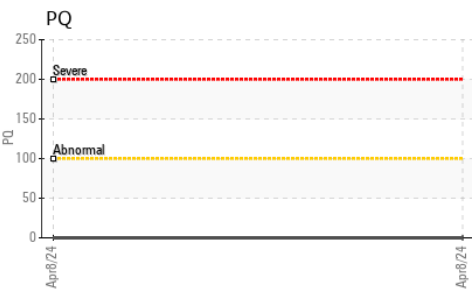
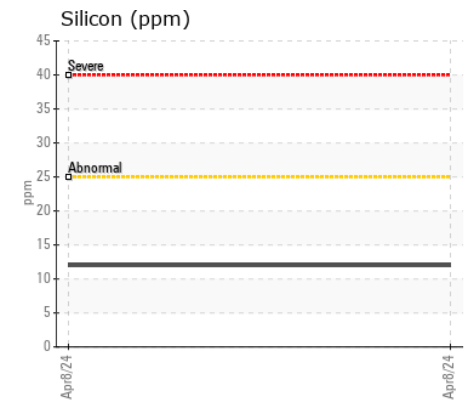
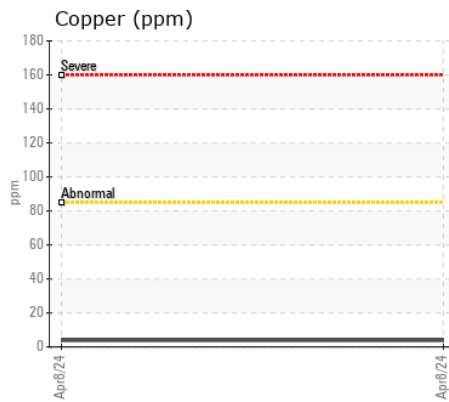
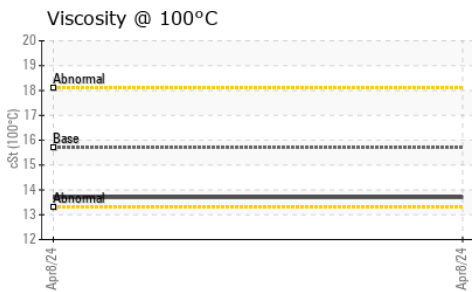
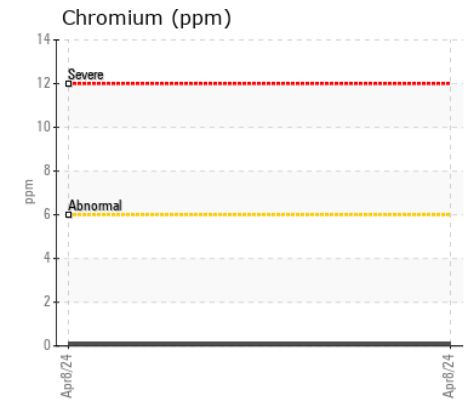
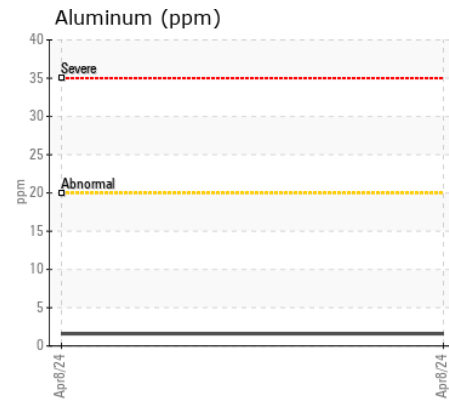
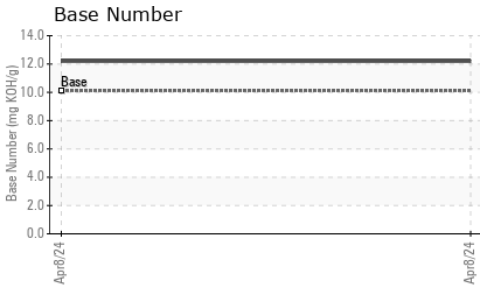
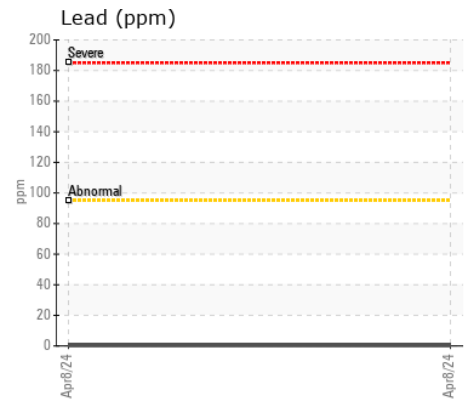
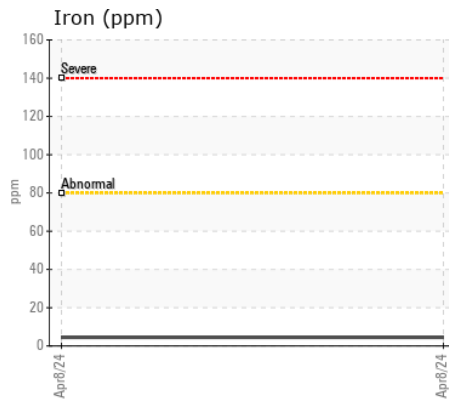
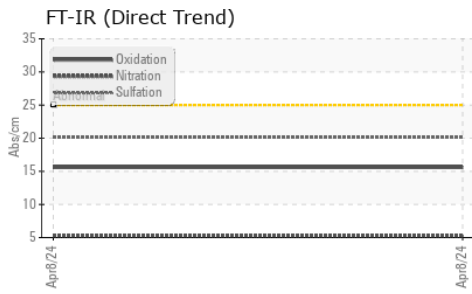
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	12	---	---
Potassium	ppm	ASTM D5185(m)	>20	12	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.1	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.3	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.1	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---

FLUID CONDITION

The BN result is higher than normal. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		4	---	---
Boron	ppm	ASTM D5185(m)	35	168	---	---
Barium	ppm	ASTM D5185(m)	0	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	0	10	---	---
Manganese	ppm	ASTM D5185(m)	0	1	---	---
Magnesium	ppm	ASTM D5185(m)	10	50	---	---
Calcium	ppm	ASTM D5185(m)	2340	2130	---	---
Phosphorus	ppm	ASTM D5185(m)	1110	965	---	---
Zinc	ppm	ASTM D5185(m)	1210	1100	---	---
Sulfur	ppm	ASTM D5185(m)	3890	3029	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.6	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10.1	12.20	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.7	13.7	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0001080 **Received** : 11 Apr 2024
Lab Number : **02628152** **Tested** : 12 Apr 2024
Unique Number : 5761284 **Diagnosed** : 12 Apr 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: PQ, Visual)

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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.