



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
360 MARINE LTD
 Machine Id
FEED CARRIER MV 360 SUPPLIER
 Component
2 Genset
 Fluid
CASTROL TECTION EXTRA SAE 15W-40 (20 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
 Resample at the next service interval to monitor. (Customer Sample
 Comment: Sample taken before installation of G2F. Oil was Castrol
 CRB Multit 15W40)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000553	---	---
Sample Date		Client Info		29 Oct 2022	---	---
Machine Age	hrs	Client Info		10184	---	---
Oil Age	hrs	Client Info		184	---	---
Filter Age	hrs	Client Info		184	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		None	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>25	4	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)	>5	0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	1	---	---
Lead	ppm	ASTM D5185(m)	>10	<1	---	---
Copper	ppm	ASTM D5185(m)	>20	0	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

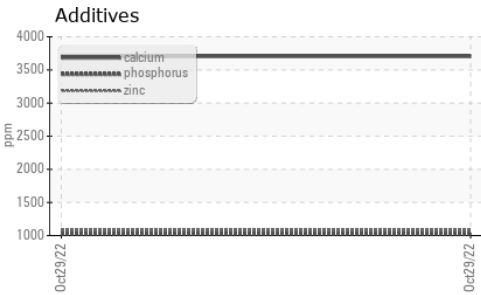
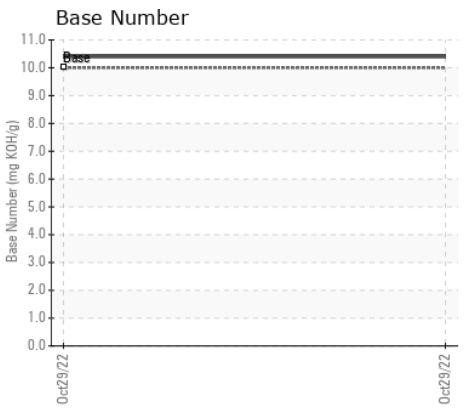
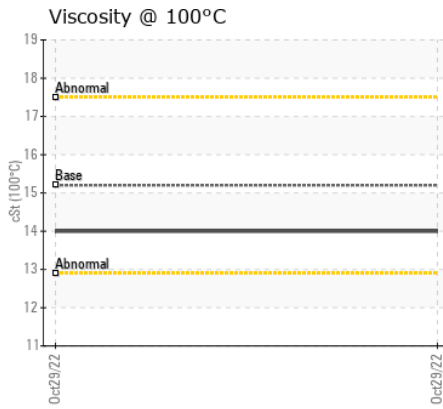
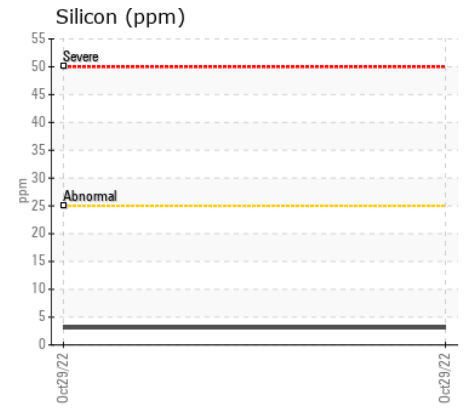
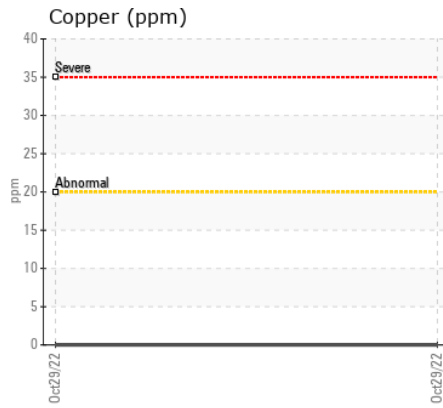
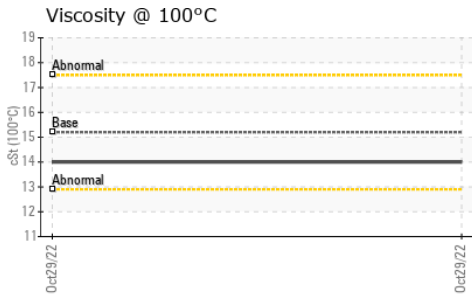
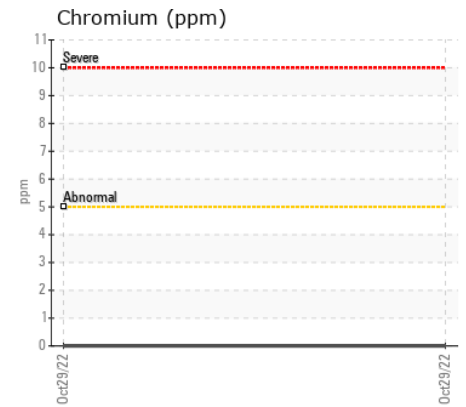
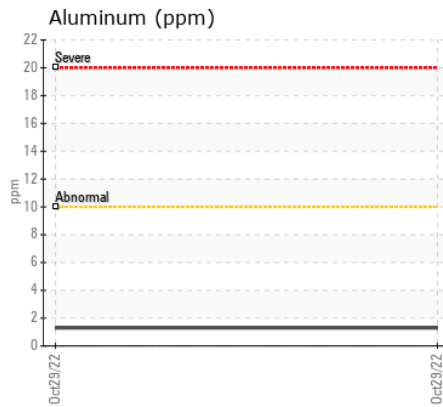
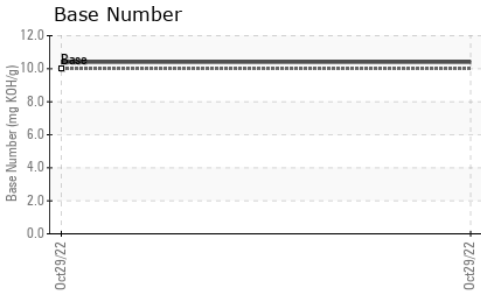
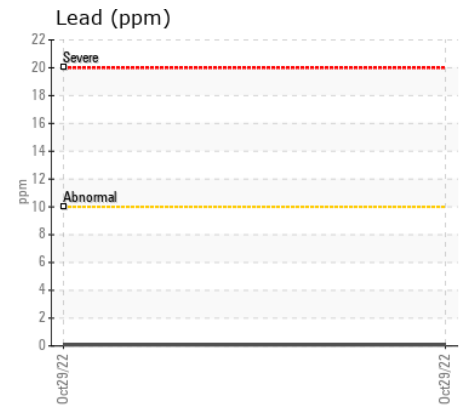
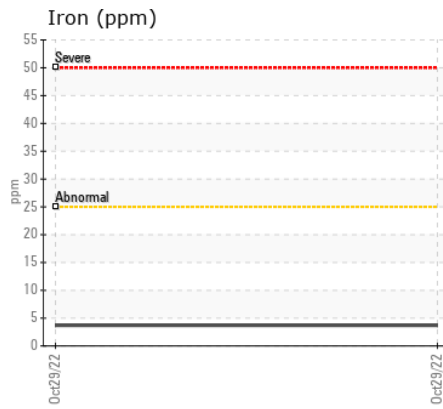
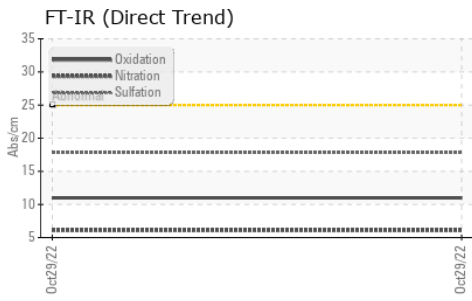
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
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	6.1	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.8	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
 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)		2	---	---
Boron	ppm	ASTM D5185(m)	30	1	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		<1	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)	110	9	---	---
Calcium	ppm	ASTM D5185(m)	2740	3705	---	---
Phosphorus	ppm	ASTM D5185(m)	1240	1025	---	---
Zinc	ppm	ASTM D5185(m)	1350	1080	---	---
Sulfur	ppm	ASTM D5185(m)	3520	3730	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	11.0	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10.0	10.40	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.2	14.0	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000553 **Received** : 15 Nov 2022
Lab Number : 02522751 **Tested** : 17 Nov 2022
Unique Number : 5487732 **Diagnosed** : 17 Nov 2022 - Kevin Marson
Test Package : MOB 2 (Additional Tests: PQ)

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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.