



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

360 MARINE LTD

Machine Id

FEED CARRIER MV 360 SUPPLIER

Component

Transmission

Fluid

CASTROL TECTION EXTRA SAE 15W-40 (60 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as CASTROL TECTION EXTRA SAE 15W-40, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the fluid type and grade on your next sample. (Customer Sample Comment: Oil sample taken before installation of G2F. Oil is Castrol CRB multigrade 15W40)

WEAR

All component wear rates are normal.

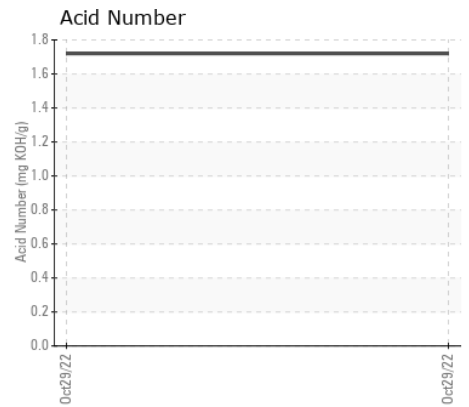
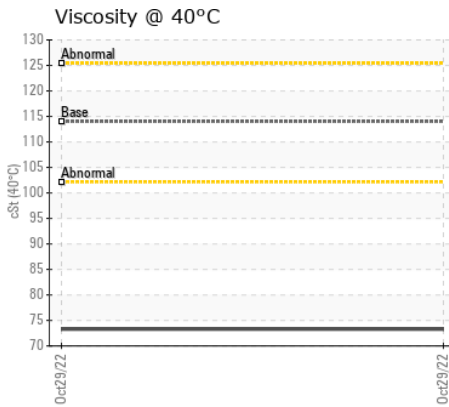
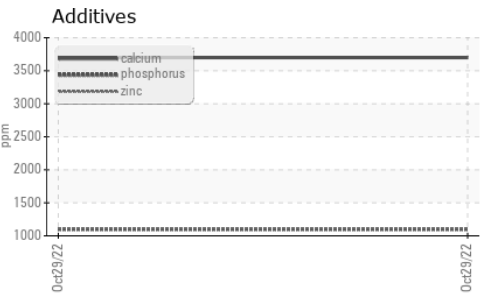
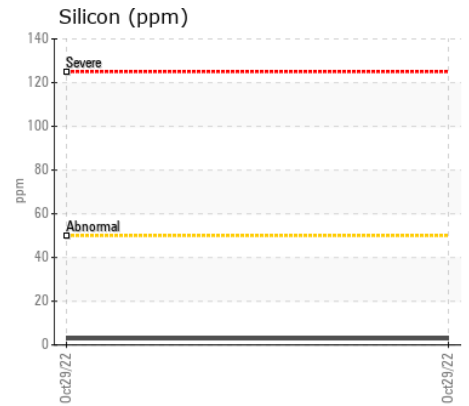
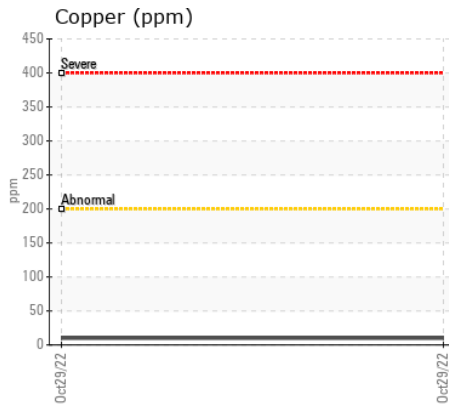
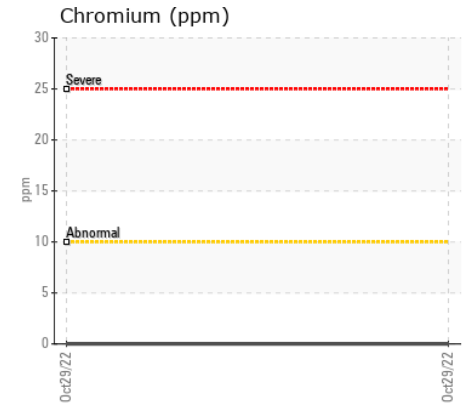
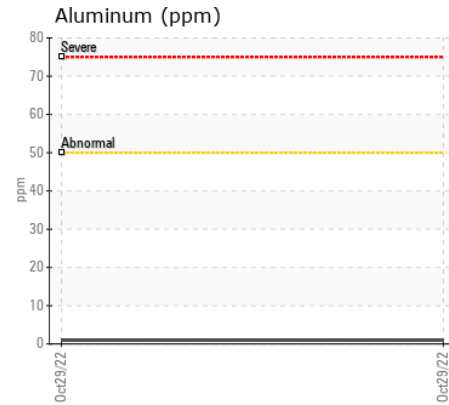
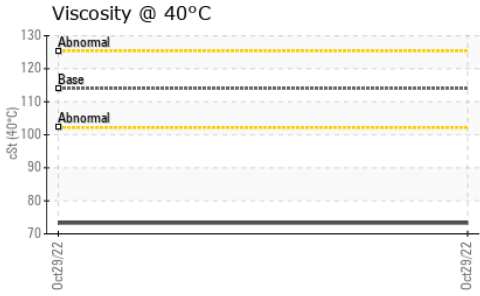
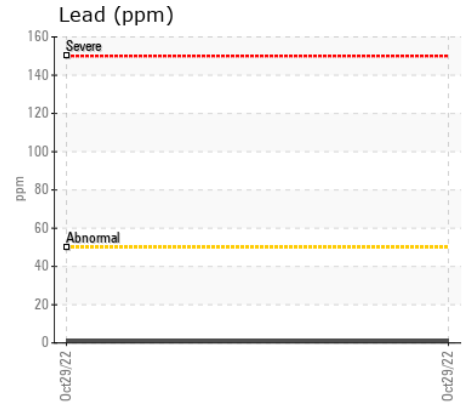
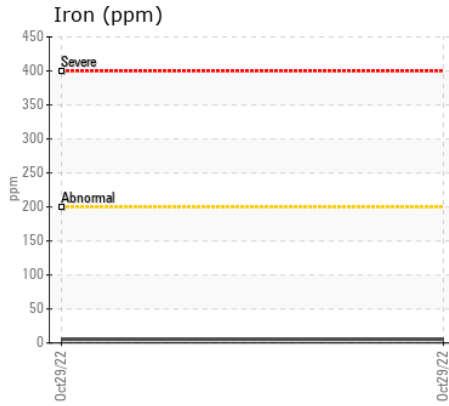
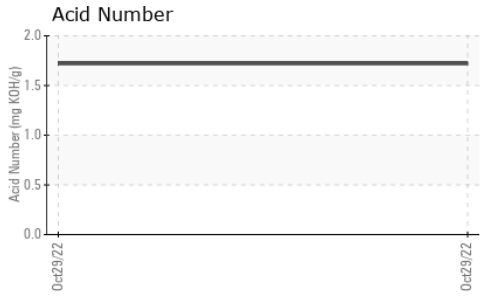
CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000555	---	---
Sample Date		Client Info		29 Oct 2022	---	---
Machine Age	hrs	Client Info		700	---	---
Oil Age	hrs	Client Info		700	---	---
Filter Age	hrs	Client Info		700	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				NORMAL	---	---
PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>200	5	---	---
Chromium	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)		<1	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>50	1	---	---
Lead	ppm	ASTM D5185(m)	>50	1	---	---
Copper	ppm	ASTM D5185(m)	>200	10	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>50	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	30	4	---	---
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	3699	---	---
Phosphorus	ppm	ASTM D5185(m)	1240	1100	---	---
Zinc	ppm	ASTM D5185(m)	1350	1113	---	---
Sulfur	ppm	ASTM D5185(m)	3520	3914	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		1.72	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	114	73.3	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000555 **Received** : 15 Nov 2022
Lab Number : 02522830 **Tested** : 16 Nov 2022
Unique Number : 5487811 **Diagnosed** : 17 Nov 2022 - Kevin Marson
Test Package : MOB 2 (Additional Tests: PQ, TAN Man)

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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.