MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
G1 - 3315134
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (34 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

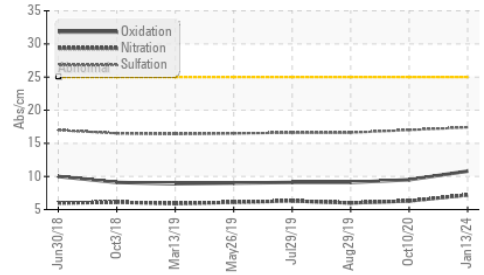
There is no indication of any contamination in the oil.

FLUID CONDITION

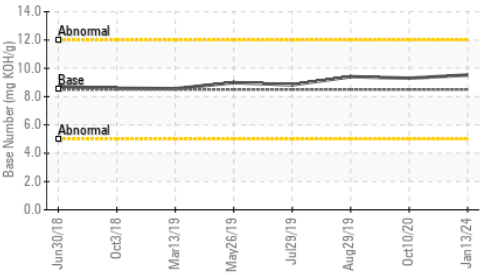
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WCM2279371	WCM2279452	WCM2279178
Sample Date		Client Info		13 Jan 2024	10 Oct 2020	29 Aug 2019
Machine Age	hrs	Client Info		585	300	5789
Oil Age	hrs	Client Info		585	300	300
Filter Age	hrs	Client Info		585	300	300
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>90	4	7	8
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	1	1
Lead	ppm	ASTM D5185m	>40	2	4	5
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	2	4	2
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.2	6.3	6
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.4	17	16.6
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>158	2	<1	3
Boron	ppm	ASTM D5185m	250	99	3	<1
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	38	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	15	11	12
Calcium	ppm	ASTM D5185m	3000	3505	3535	3308
Phosphorus	ppm	ASTM D5185m	1150	884	948	883
Zinc	ppm	ASTM D5185m	1350	992	1068	1003
Sulfur	ppm	ASTM D5185m	4250	3606	3559	2057
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.8	9.5	9.1
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.53	9.30	9.41
Visc @ 100°C	cSt	ASTM D445	14.4	12.8	12.4	12.1

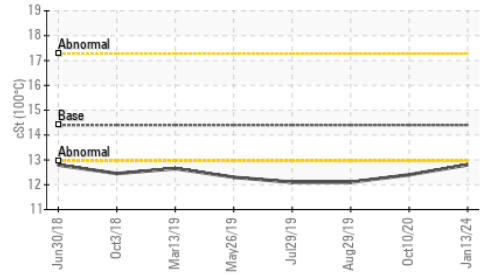
FT-IR (Direct Trend)



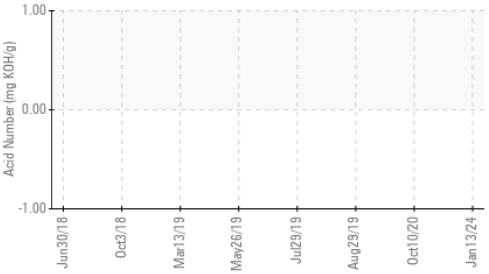
Base Number



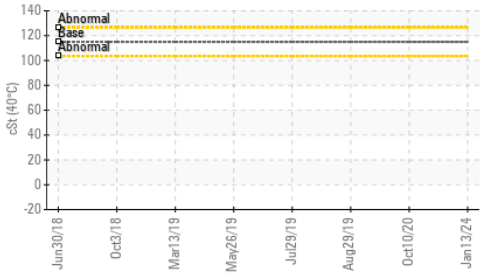
Viscosity @ 100°C



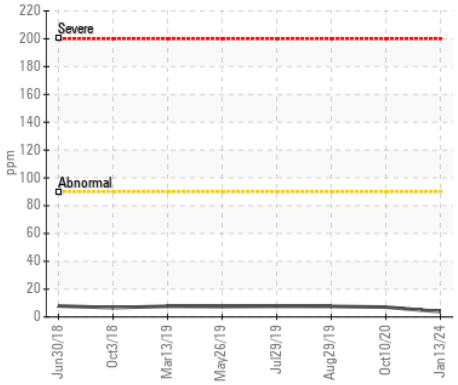
Acid Number



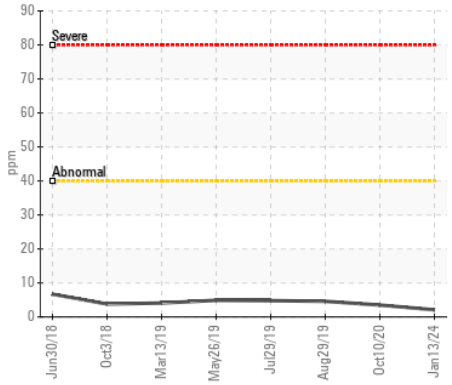
Viscosity @ 40°C



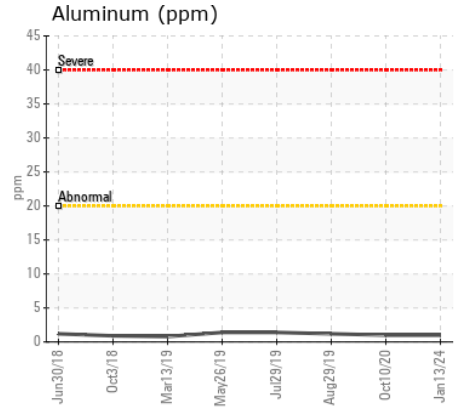
Iron (ppm)



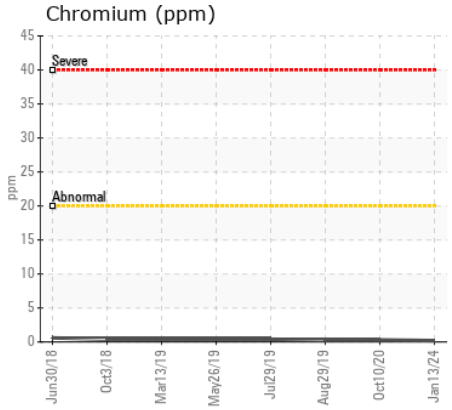
Lead (ppm)



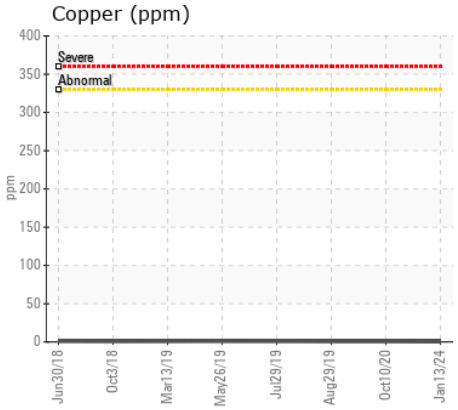
Aluminum (ppm)



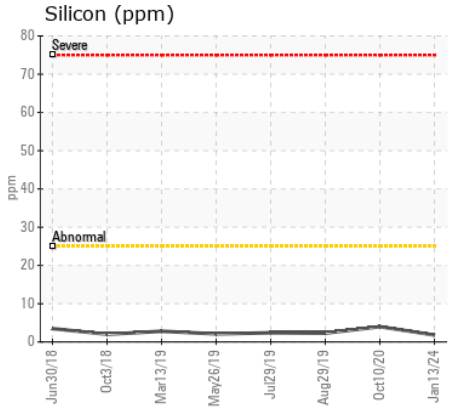
Chromium (ppm)



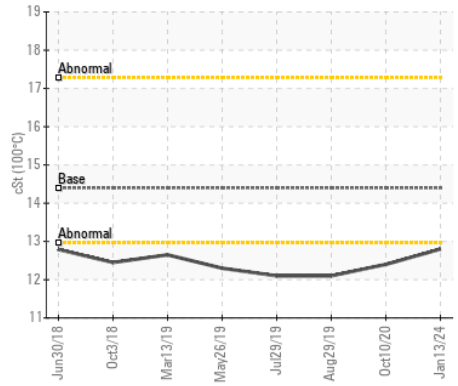
Copper (ppm)



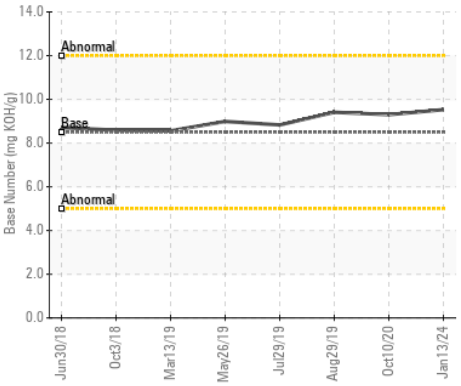
Silicon (ppm)



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCM2279371 **Received** : 28 Apr 2024
Lab Number : 06161711 **Tested** : 01 May 2024
Unique Number : 10997134 **Diagnosed** : 01 May 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: KV40, TAN Man)

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

PAIS & COMPANY
CALLE PADRE CLARET, NO. 3 URBANIZACION PARAISO
SANTA DOMINGO, ZZ
DO
Contact: JUAN CARLOS PAIS F.
jpais@paisco.com.do
T: (809)732-4462
F: (809)547-3953