MOB II

Dura-Check Fluid Analysis

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SCHWING 55M 110
Component
Diesel Engine
Fluid
UNITED OIL DURALENE (36 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

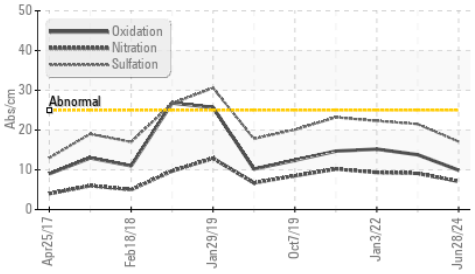
There is no indication of any contamination in the oil.

FLUID CONDITION

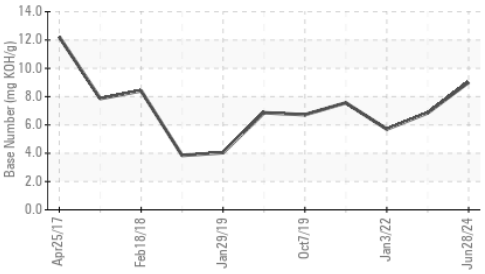
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0032417	DC0016304	DC0013555
Sample Date		Client Info		28 Jun 2024	19 Apr 2022	03 Jan 2022
Machine Age	hrs	Client Info		32300	28884	28597
Oil Age	hrs	Client Info		0	500	26024
Filter Age	hrs	Client Info		0	500	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>100	16	23	50
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	2	2
Lead	ppm	ASTM D5185m	>40	2	1	12
Copper	ppm	ASTM D5185m	>330	3	3	15
Tin	ppm	ASTM D5185m	>15	0	<1	2
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	4	4	4
Potassium	ppm	ASTM D5185m	>20	<1	2	<1
Fuel		WC Method	>5	<1.0	▲ 3.9	▲ 5.6
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.6	0.7	0.9
Nitration	Abs/cm	*ASTM D7624	>20	7.1	9.1	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.1	21.5	22.3
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		4	0	0
Boron	ppm	ASTM D5185m		0	10	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		4	0	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		55	● 43	34
Calcium	ppm	ASTM D5185m		2536	● 2426	2258
Phosphorus	ppm	ASTM D5185m		963	898	831
Zinc	ppm	ASTM D5185m		1102	1095	994
Sulfur	ppm	ASTM D5185m		4322	4194	3231
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.9	13.8	15.2
Base Number (BN)	mg KOH/g	ASTM D2896		9.01	6.85	5.70
Visc @ 100°C	cSt	ASTM D445		12.9	12.9	▲ 12.4

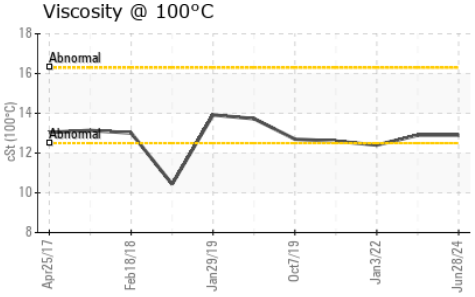
FT-IR (Direct Trend)



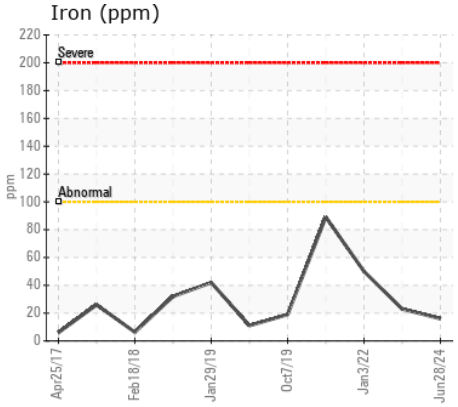
Base Number



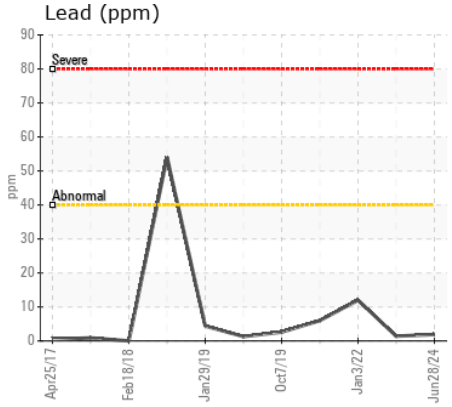
Viscosity @ 100°C



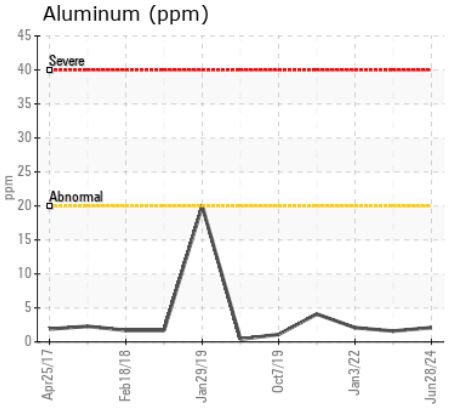
Iron (ppm)



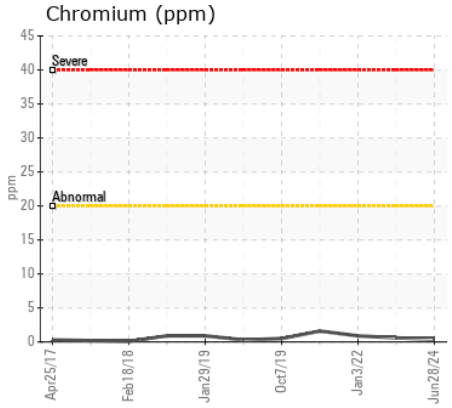
Lead (ppm)



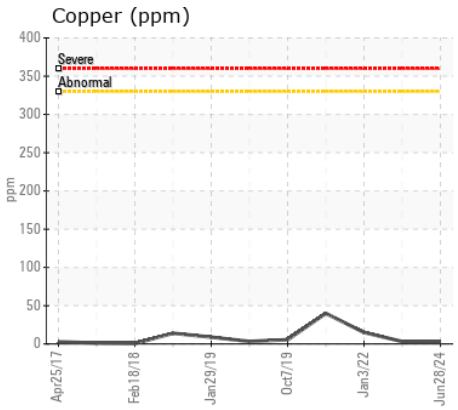
Aluminum (ppm)



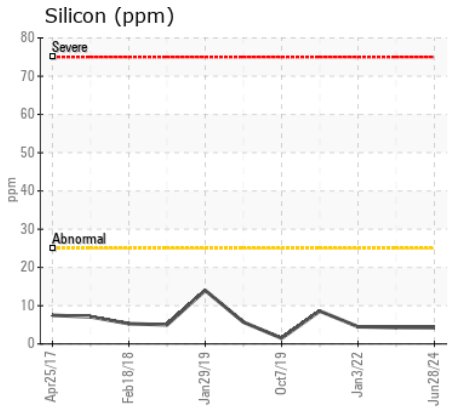
Chromium (ppm)



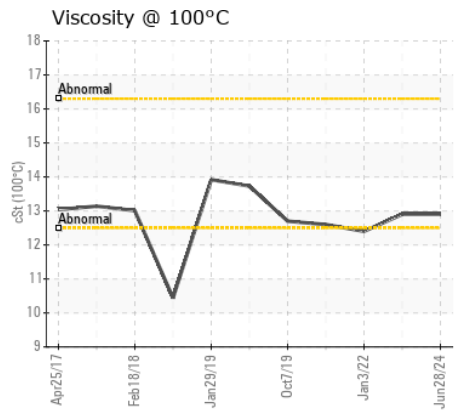
Copper (ppm)



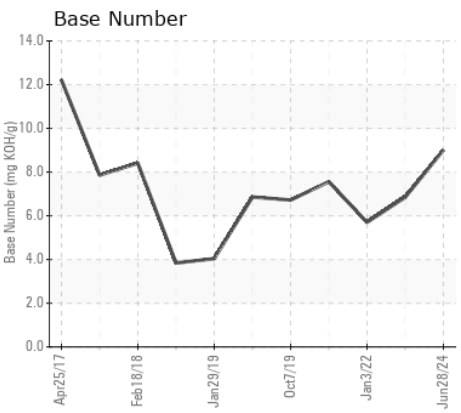
Silicon (ppm)



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0032417
Lab Number : 06228859
Unique Number : 11112352
Test Package : MOB 2

Received : 05 Jul 2024
Tested : 08 Jul 2024
Diagnosed : 08 Jul 2024 - Don Baldridge

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)

BLANCHET CONCRETE PUMPING
9585 LYNN BUFF CT
LAUREL, MD
US 20723
Contact: ED BAILEY
EBAILEY@PUMPCONCRETE.COM
T: (301)708-1159
F: (301)206-4470