MOB II HIGH PERFORMANCE LUBRICANTS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LINKBELT TCC1400 CC6927 (S/N T3L2-6927)
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL 10W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

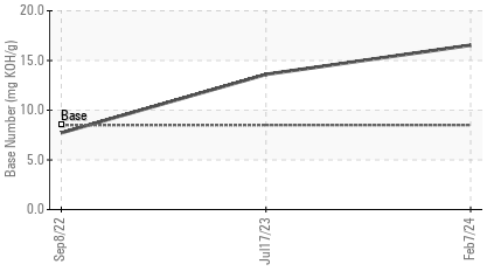
There is no indication of any contamination in the oil.

FLUID CONDITION

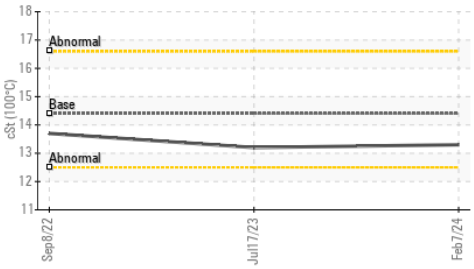
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		HPL0004567	HPL0002933	HPL0001701
Sample Date		Client Info		07 Feb 2024	17 Jul 2023	08 Sep 2022
Machine Age	hrs	Client Info		1154	939	200
Oil Age	hrs	Client Info		0	727	200
Filter Age	hrs	Client Info		0	727	200
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	4	21	8
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>20	4	2	3
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	23	68	14
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	13	9	14
Potassium	ppm	ASTM D5185m	>20	0	4	3
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.2	11.2	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	34.2	35.9	20.6
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		2	1	2
Boron	ppm	ASTM D5185m	250	2	5	88
Barium	ppm	ASTM D5185m	10	1	0	<1
Molybdenum	ppm	ASTM D5185m	100	541	517	12
Manganese	ppm	ASTM D5185m		<1	1	4
Magnesium	ppm	ASTM D5185m	450	979	1003	645
Calcium	ppm	ASTM D5185m	3000	2316	2519	1226
Phosphorus	ppm	ASTM D5185m	1150	953	1084	951
Zinc	ppm	ASTM D5185m	1350	1262	1279	1105
Sulfur	ppm	ASTM D5185m	4250	8052	8819	3520
Oxidation	Abs/.1mm	*ASTM D7414	>25	35.3	38.3	14.4
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	16.54	13.60	7.72
Visc @ 100°C	cSt	ASTM D445	14.4	13.3	13.2	13.7

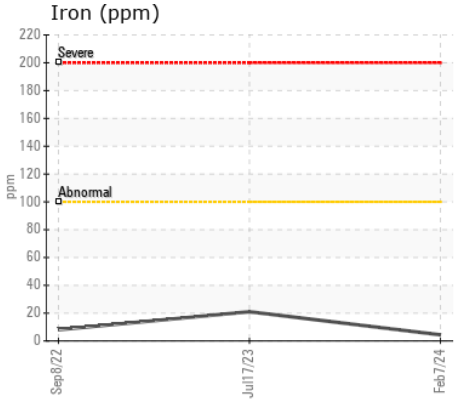
Base Number



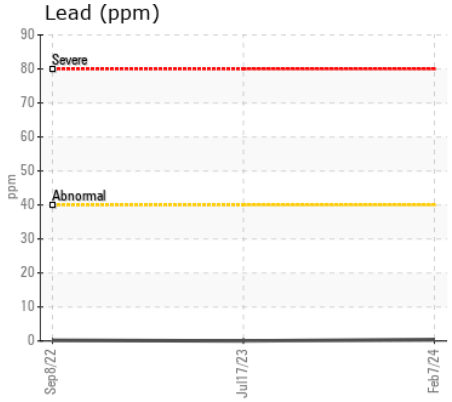
Viscosity @ 100°C



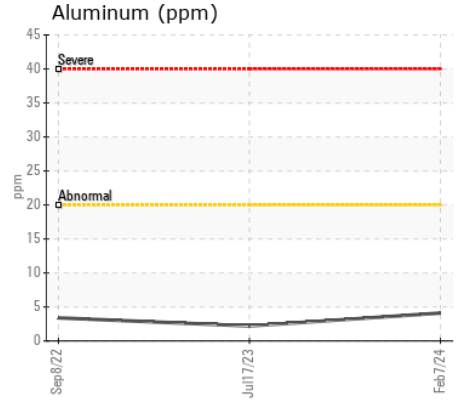
Iron (ppm)



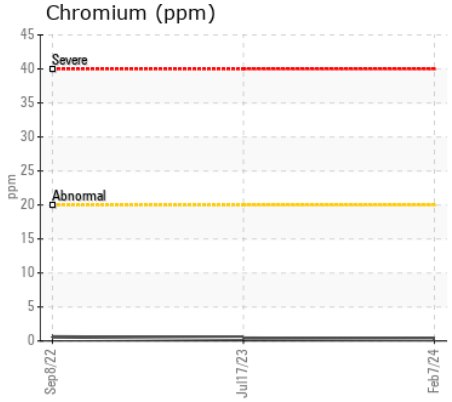
Lead (ppm)



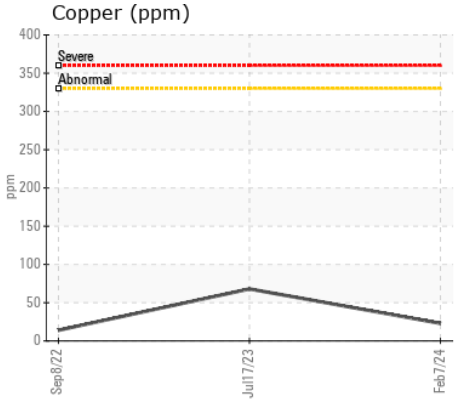
Aluminum (ppm)



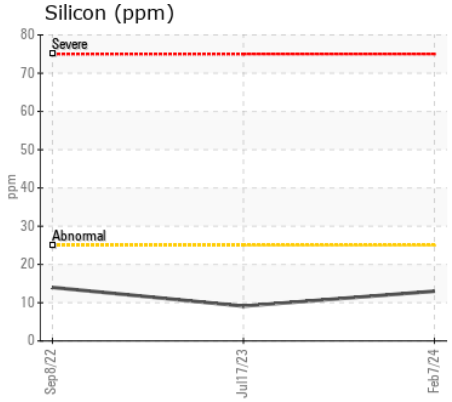
Chromium (ppm)



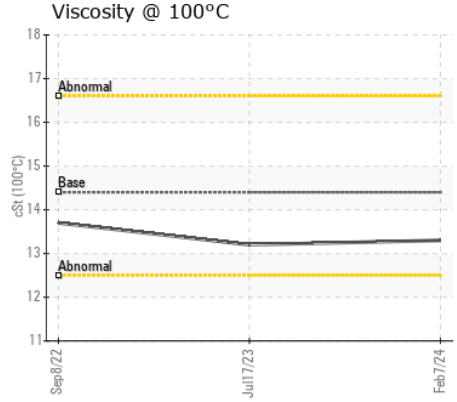
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



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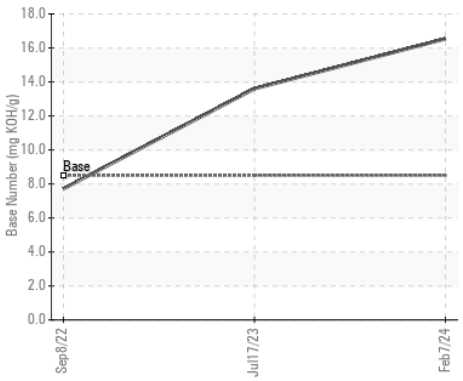

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HPL0004567
Lab Number : 06085449
Unique Number : 10872894
Test Package : MOB 2

Received : 09 Feb 2024
Tested : 13 Feb 2024
Diagnosed : 13 Feb 2024 - Jonathan Hester

Certificate L2367

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)

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