



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
904
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RW0004904	RW0004467	RW0004383
Sample Date		Client Info		02 Jan 2024	11 Jul 2023	28 Apr 2023
Machine Age	mls	Client Info		18500	7990	2570
Oil Age	mls	Client Info		5083	5400	2570
Filter Age	mls	Client Info		5083	5400	2570
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	8	13	27
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	<1	1	<1
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	0	1	4
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

CONTAMINATION

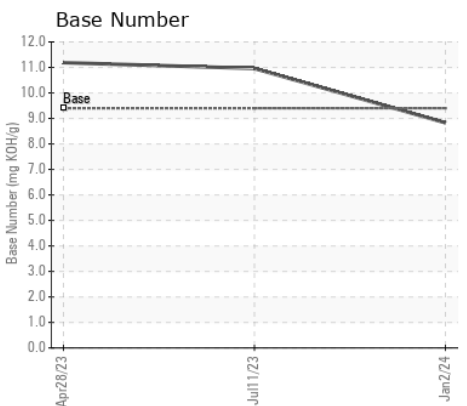
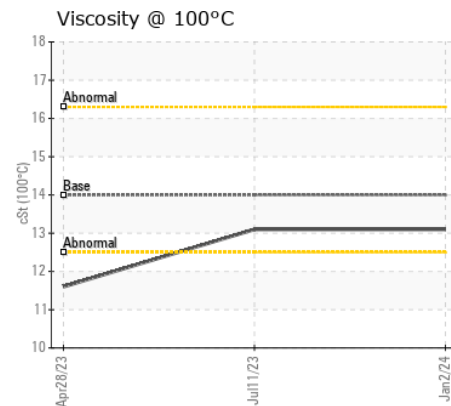
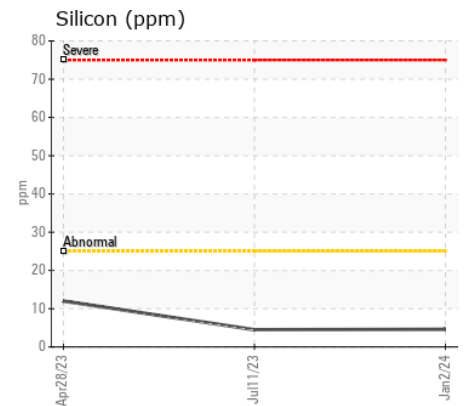
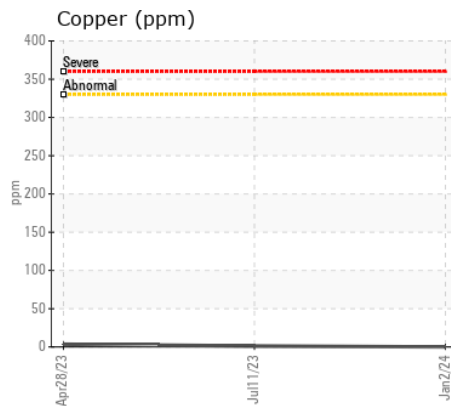
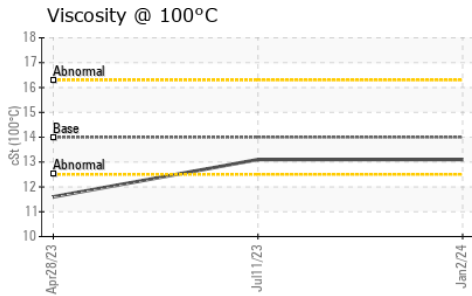
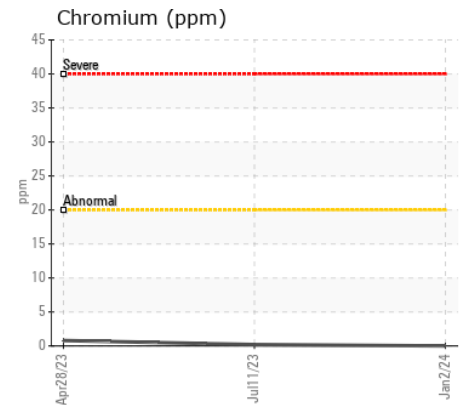
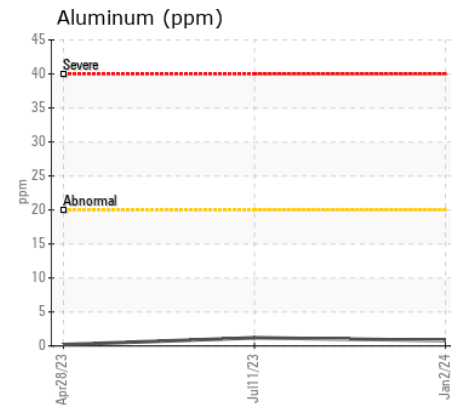
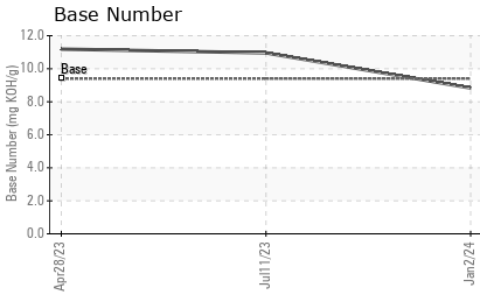
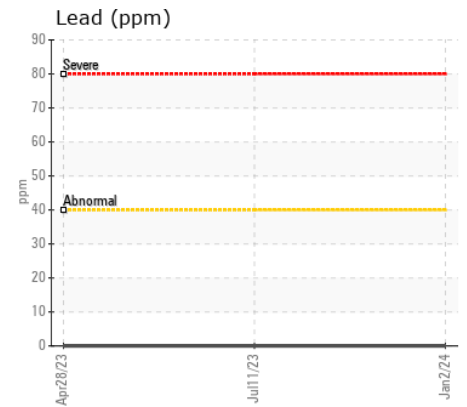
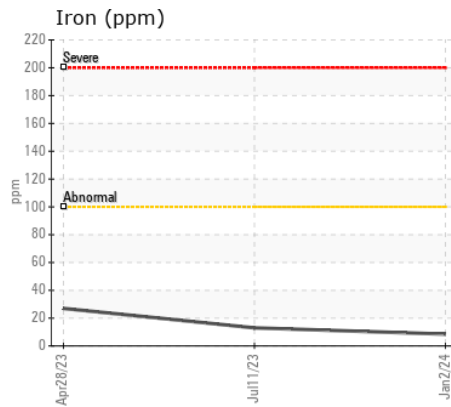
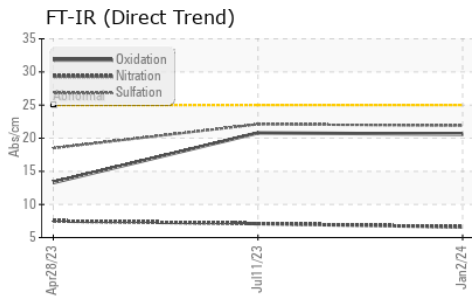
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	4	12
Potassium	ppm	ASTM D5185m	>20	<1	2	5
Fuel		WC Method	>5	<1.0	<1.0	0.5
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.6	7.1	7.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	22.1	18.5
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

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.

Sodium	ppm	ASTM D5185m		2	0	3
Boron	ppm	ASTM D5185m	0	55	57	101
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	0	42	41	7
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m	0	569	508	740
Calcium	ppm	ASTM D5185m		1938	1719	1337
Phosphorus	ppm	ASTM D5185m		876	766	735
Zinc	ppm	ASTM D5185m		1042	930	838
Sulfur	ppm	ASTM D5185m		3376	2784	3507
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6	20.8	13.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.83	10.96	11.19
Visc @ 100°C	cSt	ASTM D445	14	13.1	13.1	11.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RW0004904 **Received** : 25 Apr 2024
Lab Number : 06161002 **Tested** : 26 Apr 2024
Unique Number : 10996425 **Diagnosed** : 26 Apr 2024 - Wes Davis
Test Package : MOB 2

HOMER CONCRETE
 205 S CEDAR ST
 IMLAY CITY, MI
 US 48444

Contact: DENNIS ONDRAJKA
 homerconcrete@aol.com
 T: (810)724-3905
 F: (810)724-0733

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)