



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id
93047
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		SBP0005488	SBP0005490	SBP0005412
Sample Date		Client Info		27 May 2024	15 Feb 2024	16 Aug 2023
Machine Age	mls	Client Info		0	0	11000
Oil Age	mls	Client Info		0	0	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>80	12	63	116
Chromium	ppm	ASTM D5185m	>5	1	3	4
Nickel	ppm	ASTM D5185m	>2	<1	2	3
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	1	<1	0
Aluminum	ppm	ASTM D5185m	>30	3	3	8
Lead	ppm	ASTM D5185m	>30	<1	1	0
Copper	ppm	ASTM D5185m	>150	8	2	3
Tin	ppm	ASTM D5185m	>5	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

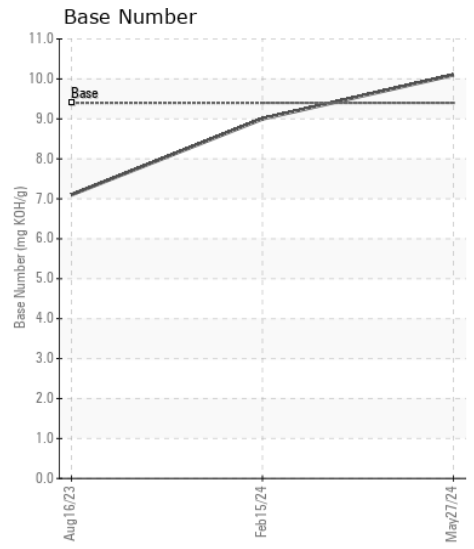
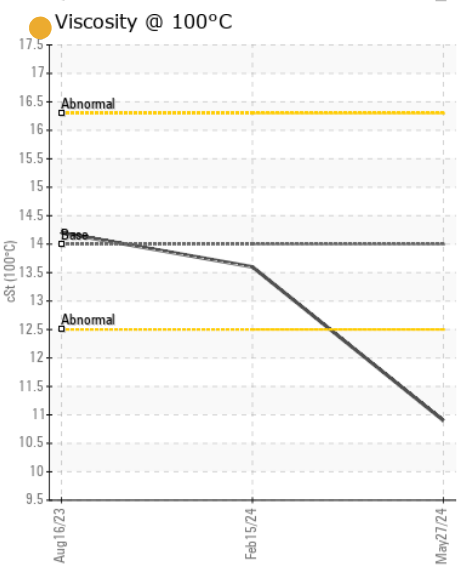
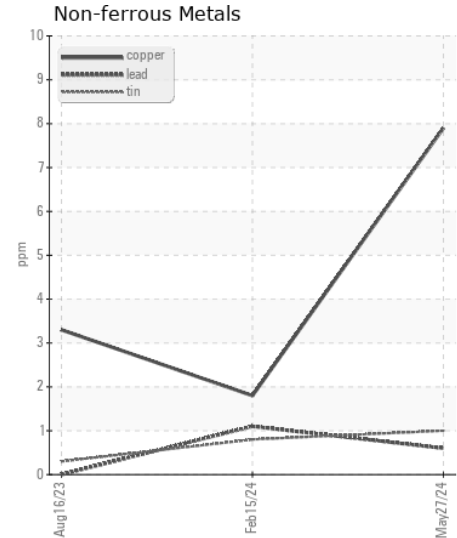
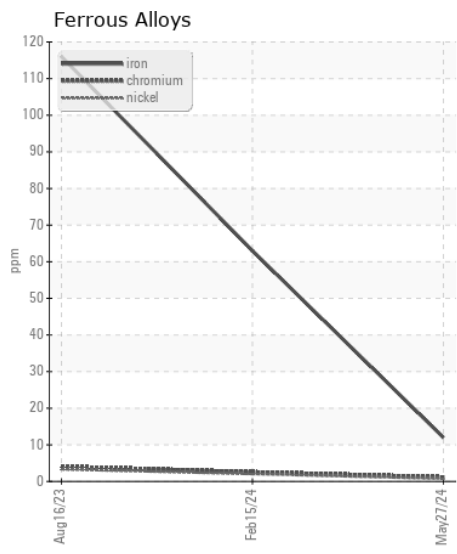
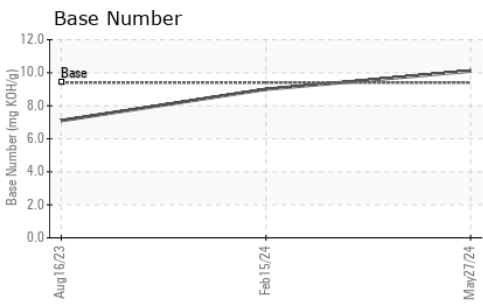
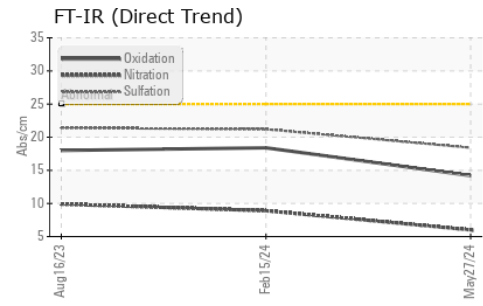
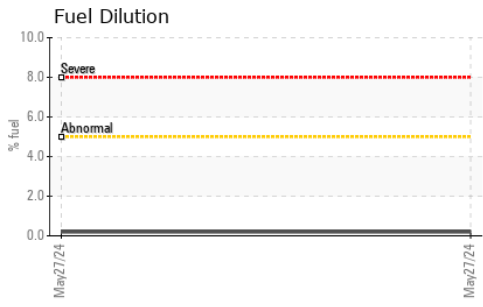
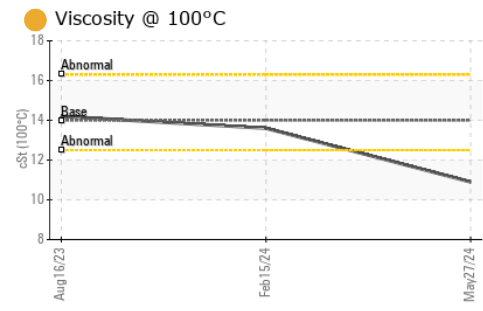
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	14	17	32
Potassium	ppm	ASTM D5185m	>20	4	4	2
Fuel	%	ASTM D3524	>5	0.2	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.3	0.5
Nitration	Abs/cm	*ASTM D7624	>20	6.0	8.9	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	21.2	21.4
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		6	<1	5
Boron	ppm	ASTM D5185m	0	7	4	10
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	64	63	69
Manganese	ppm	ASTM D5185m		3	1	1
Magnesium	ppm	ASTM D5185m	0	947	1021	1058
Calcium	ppm	ASTM D5185m		1189	1151	1410
Phosphorus	ppm	ASTM D5185m		1014	1066	1143
Zinc	ppm	ASTM D5185m		1198	1310	1409
Sulfur	ppm	ASTM D5185m		3152	3755	3689
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	18.4	18.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	10.1	9.0	7.1
Visc @ 100°C	cSt	ASTM D445	14	10.9	13.6	14.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0005488 **Received** : 28 May 2024
Lab Number : 06192015 **Tested** : 30 May 2024
Unique Number : 11048767 **Diagnosed** : 30 May 2024 - Don Baldrige
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

Sapp Bros. Fleet - Columbus Location
 US
 Contact: Service Manager

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)