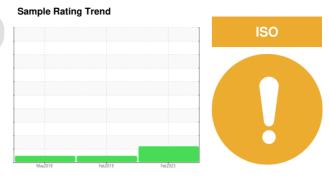


OIL ANALYSIS REPORT

Mobile Fleet 3009 3009

Diesel Engine

MOBIL DELVAC 1300 SUPER 10W30 (11 GAL)



Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

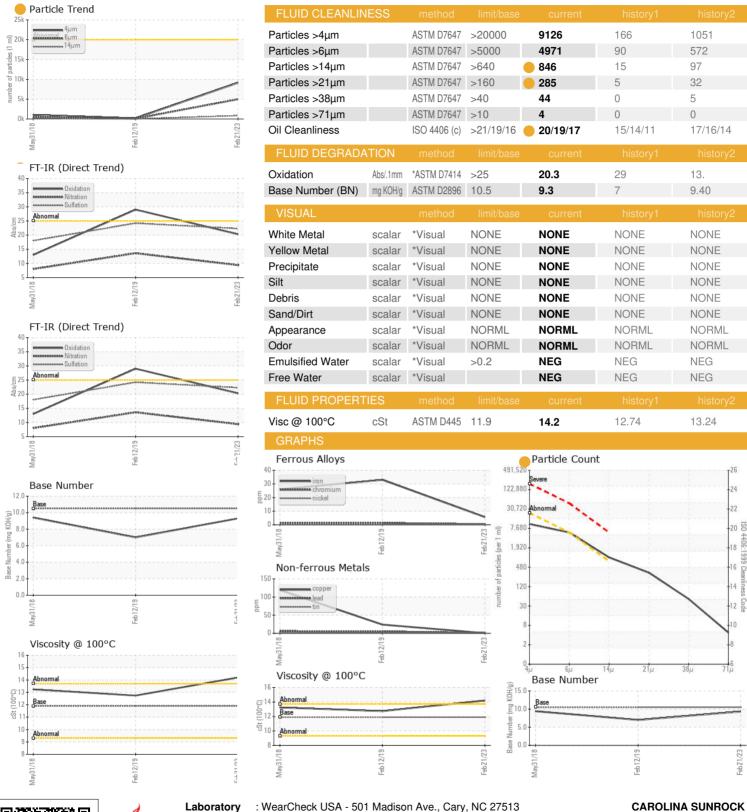
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0489952	WCMCF69204	WCMCF54103
Sample Date		Client Info		21 Feb 2023	12 Feb 2019	31 May 2018
Machine Age	hrs	Client Info		6890	2650	1188
Oil Age	hrs	Client Info		500	1462	886
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	6	33	26
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		46	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	2	1
Lead	ppm	ASTM D5185m	>40	<1	5	6
Copper	ppm	ASTM D5185m	>330	<1	24	119
Tin	ppm	ASTM D5185m	>15	<1	1	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		86	18	87
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		23	40	8
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		473	470	69
Calcium	ppm	ASTM D5185m		1831	1834	3330
Phosphorus	ppm	ASTM D5185m		858	679	927
Zinc	ppm	ASTM D5185m		1080	838	1060
Sulfur	ppm	ASTM D5185m		3447	2905	7717
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	6	24
Sodium	ppm	ASTM D5185m		2	3	4
Potassium	ppm	ASTM D5185m	>20	1	1	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.3	0.1
Nitration	Abs/cm	*ASTM D7624	>20	9.4	13.6	8.
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	24.2	18.



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

: WC0489952 Lab Number : 05787198

Received Unique Number: 10371869

: 09 Mar 2023 **Tested** Diagnosed

: 10 Mar 2023

: 10 Mar 2023 - Angela Borella

Test Package : MOBCE (Additional Tests: PrtCount, TBN) 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)

T: (919)575-4505 F: (919)575-0162

PO BOX 25

US 27509

BUTNER, NC

Contact: Leigh Dennis

rdennis@thesunrockgroup.com