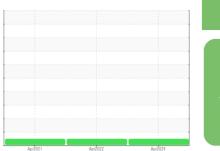


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id FREIGHTLINER 2575

Component

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

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

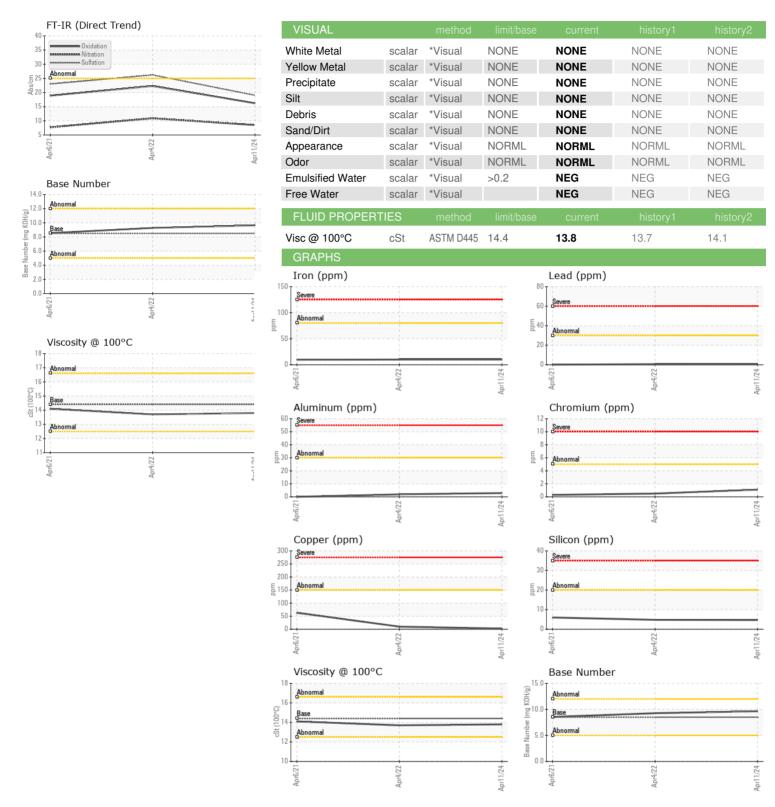
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0005554	RW0002980	RW0002133
Sample Date		Client Info		11 Apr 2024	04 Apr 2022	06 Apr 2021
Machine Age	hrs	Client Info		1500	946	584
Oil Age	hrs	Client Info		250	400	584
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		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	>80	10	10	10
Chromium	ppm	ASTM D5185m	>5	1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	1	1	<1
Aluminum	ppm	ASTM D5185m	>30	3	2	0
Lead	ppm	ASTM D5185m	>30	<1	<1	<1
Copper	ppm	ASTM D5185m	>150	3	10	63
Tin	ppm	ASTM D5185m	>5	1	<1	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	5	11	196
Barium	ppm	ASTM D5185m	10	0	0	<1
Molybdenum	ppm	ASTM D5185m	100	59	55	15
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	450	889	933	99
Calcium	ppm	ASTM D5185m	3000	1076	1222	1894
Phosphorus	ppm	ASTM D5185m	1150	1082	1125	882
Zinc	ppm	ASTM D5185m	1350	1189	1245	996
Sulfur	ppm	ASTM D5185m	4250	3297	3002	2651
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	5	5	6
Sodium	ppm	ASTM D5185m	>158	3	0	2
Potassium	ppm	ASTM D5185m	>20	4	0	7
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.5	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.5	10.9	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	26.2	23
FLUID DEGRADA	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	22.3	18.9
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.64	9.27	8.55



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06184538

: RW0005554 Unique Number : 11035864 Test Package : MOB 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 May 2024 **Tested** : 21 May 2024

Diagnosed

: 21 May 2024 - Wes Davis

US 49442 Contact: ERIC KING ewking@newkirk-electric.com T: (231)206-6131

NEWKIRK ELECTRIC

1875 ROBERTS ST.

MUSKEGON, MI

F: (231)724-4090

 st - 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)