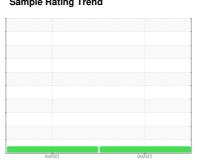


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **1704** Component

Diesel Engine

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

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

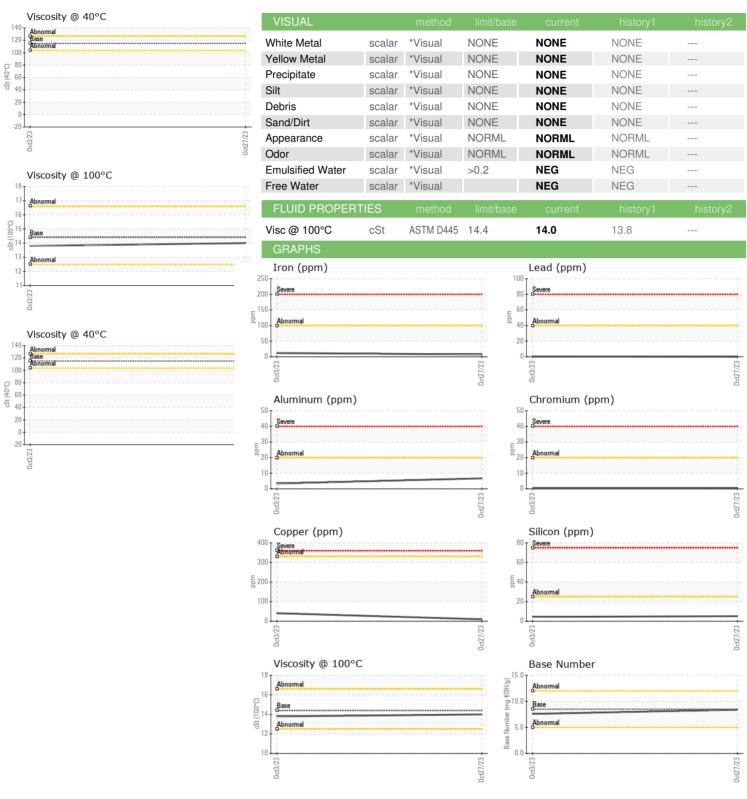
Fluid Condition

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

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	I/(IIIOIV	Client Info	IIIIIIIIIII	WC0855926	WC0855901	matoryz
Sample Number Sample Date		Client Info		27 Oct 2023	03 Oct 2023	
Machine Age	mls	Client Info		105070	0	
Oil Age	mls	Client Info		0	0	
Oil Changed	11110	Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	7	12	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	7	3	
Lead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm	ASTM D5185m	>330	10	41	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	4	2	
Barium	ppm	ASTM D5185m	10	0	0	
Molybdenum	ppm	ASTM D5185m	100	58	56	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	450	927	873	
Calcium	ppm		3000	1105	1033	
Phosphorus Zinc	ppm	ASTM D5185m	1150	1025	940	
Sulfur	ppm	ASTM D5185m ASTM D5185m	1350 4250	1292 2973	1216 2714	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>25	5	4	
Sodium	ppm	ASTM D5185m	>158	5 <1	5	
Potassium	ppm	ASTM D5185m	>20	0	1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.5	
Nitration	Abs/cm	*ASTM D7624	>20	7.5	8.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	21.4	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.3	19.7	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.4	7.6	
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OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: WC0855926 : 06010645 : 10749789

Received Diagnosed

: 17 Nov 2023 : 21 Nov 2023 Diagnostician : Jonathan Hester

Test Package : MOB 1 (Additional Tests: KV40, 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.

GO DURHAM - RAPT 1903 FAYETTEVILLE ST DURHAM, NC US 27701

Contact: Robert Iosiniecki Robert.losiniecki@ratpdev.com

T: F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)