

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
1206
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

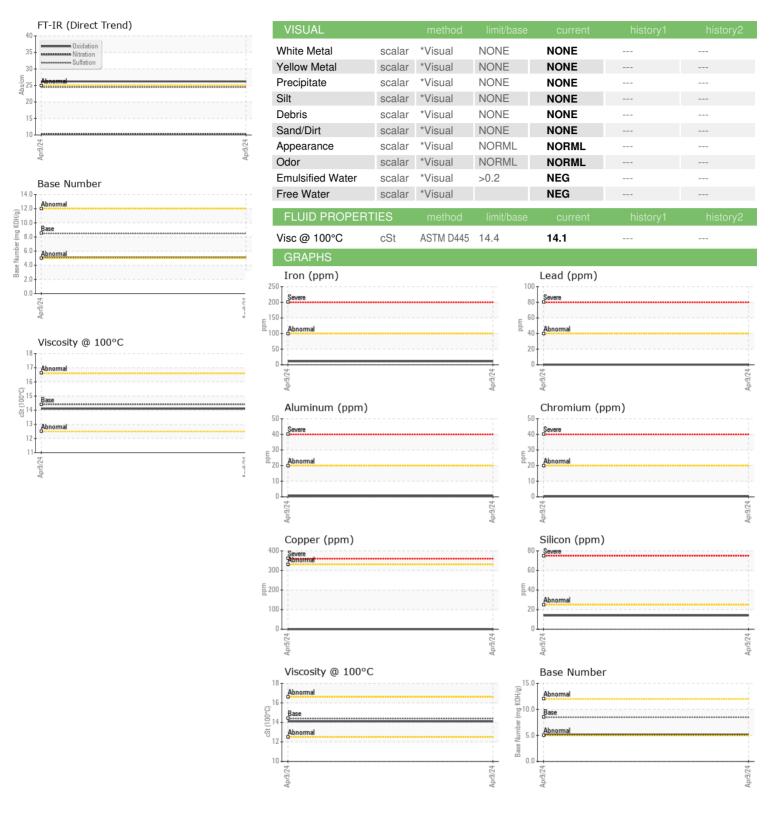
Fluid Condition

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

				Apr2024		
				791502		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0897914		
Sample Date		Client Info		09 Apr 2024		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	11		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m		<1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m		0		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	1		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	56		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	450	890		
Calcium	ppm	ASTM D5185m	3000	1057		
Phosphorus	ppm	ASTM D5185m	1150	1002		
Zinc	ppm	ASTM D5185m	1350	1184		
Sulfur	ppm	ASTM D5185m	4250	3254		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		14		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	10.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.5		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.2		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.1		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0897914 Lab Number : 06151527 Unique Number : 10981605

Received **Tested** Diagnosed

: 17 Apr 2024 : 18 Apr 2024

: 19 Apr 2024 - Sean Felton

1903 FAYETTEVILLE ST DURHAM, NC US 27701 Contact: Robert Iosiniecki

Robert.losiniecki@ratpdev.com

GO DURHAM - RAPT

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.

Test Package : MOB 1 (Additional Tests: TBN)

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

Report Id: GODDUR [WUSCAR] 06151527 (Generated: 04/19/2024 18:20:26) Rev: 1

Contact/Location: Robert Iosiniecki - GODDUR

T:

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