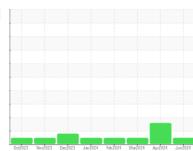


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
1204
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.

Oct2023 Nev2023 Oct2023 Jan2024 Feb2024 Mar2024 Apr2024 Jun2024						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0946472	WC0897845	WC0893959
Sample Date		Client Info		07 Jun 2024	30 Apr 2024	25 Mar 2024
Machine Age	mls	Client Info		0	0	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATIO	N	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	24	21	10
Chromium	ppm	ASTM D5185m	>20	1	2	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	2	<1
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m		2	4	1
Tin	ppm	ASTM D5185m	>15	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	0	0	0
Barium	ppm	ASTM D5185m	10	0	2	0
Molybdenum	ppm	ASTM D5185m	100	61	62	63
Manganese	ppm	ASTM D5185m	450	<1	<1	0
Magnesium	ppm	ASTM D5185m	450	1023	909	1042
Calcium	ppm	ASTM D5185m		1237	1128	1158
Phosphorus Zinc	ppm	ASTM D5185m	1150 1350	1077 1375	1075 1237	1122 1372
Sulfur	ppm	ASTM D5185m	4250	3606	3171	3732
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		21	<u>^</u> 27	6
Sodium	ppm	ASTM D5185m	>158	4	<1	2
Potassium	ppm	ASTM D5185m	>20	7	5	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	8.0	0.5	0.2
Nitration	Abs/cm	*ASTM D7624	>20	11.1	11.1	9.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.2	24.5	21.8
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.5	26.2	22.1
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.5	6.3	6.3



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0946472 Lab Number : 06219130

Unique Number : 11097327

Received : 24 Jun 2024 **Tested** : 25 Jun 2024 Diagnosed

: 25 Jun 2024 - Wes Davis

Test Package : MOB 1 (Additional Tests: 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)

DURHAM, NC US 27701 Contact: Robert Iosiniecki

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