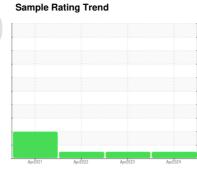


OIL ANALYSIS REPORT

[PMOAS3372457] M05L08963301

Diesel Engine

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





Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

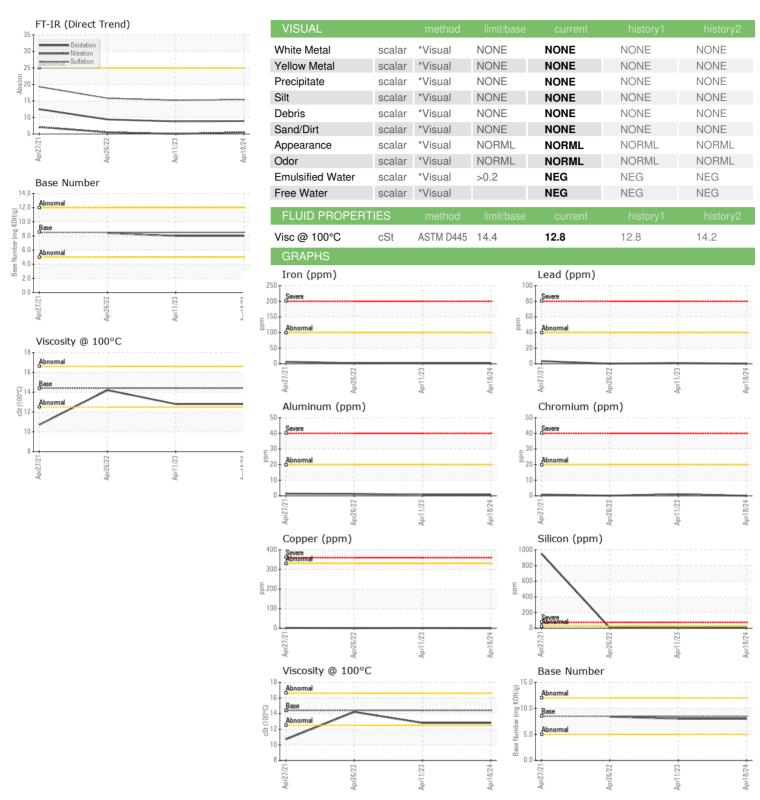
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0035067	DC0026373	DC0020580
Sample Date		Client Info		18 Apr 2024	11 Apr 2023	26 Apr 2022
Machine Age	hrs	Client Info		0	0	287
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	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	1	2	2
Chromium	ppm	ASTM D5185m	>20	0	1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	2
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	1
Lead	ppm	ASTM D5185m	>40	0	1	<1
Copper	ppm	ASTM D5185m	>330	0	1	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	1	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	2	4	5
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	2	3	2
Manganese	ppm	ASTM D5185m		0	2	<1
Magnesium	ppm	ASTM D5185m	450	49	36	28
Calcium	ppm	ASTM D5185m	3000	2496	2167	2390
Phosphorus	ppm	ASTM D5185m	1150	978	828	952
Zinc	ppm	ASTM D5185m	1350	1136	994	1146
Sulfur	ppm	ASTM D5185m	4250	4819	3869	3868
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	7	5
Sodium	ppm	ASTM D5185m	>158	<1	2	2
Potassium	ppm	ASTM D5185m	>20	<1	3	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.5	5.0	5.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	15.4	15.2	15.8
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.9	8.8	9.4
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.0	8.0	8.4



OIL ANALYSIS REPORT







Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : DC0035067 Lab Number : 06159700

Unique Number : 10995123

Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Received

Tested

: 24 Apr 2024

: 25 Apr 2024

: 25 Apr 2024 - Wes Davis

KELLY GENERATOR & EQUIPMENT INC

1955 DALE LN OWINGS, MD US 20736

Contact: LESLIE SNURR LSNURR@KGE.COM T: (410)257-5225

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (410)257-5227 Contact/Location: LESLIE SNURR - KELOWI