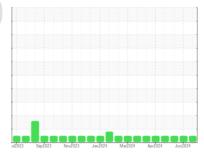


OIL ANALYSIS REPORT

Sample Rating Trend







Area
KDAC
Machine Id

200250
Component
Diesel Engine
Fluid
TEST OIL RED 6 (40 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Tests indicate that there is no fuel present in the oil. 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		WC0955698	WC0926290	WC0926291
Sample Date		Client Info		26 Jun 2024	07 Jun 2024	18 May 2024
Machine Age	kms	Client Info		303739	294515	285184
Oil Age	kms	Client Info		0	55273	44942
Oil Changed		Client Info		Changed	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
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 D5185(m)	>90	4	23	16
Chromium	ppm	ASTM D5185(m)		0	2	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)		0	10	6 <1
Lead	ppm	ASTM D5185(m)	>40	-	<1	
Copper	ppm	ASTM D5185(m)		<1	1	<1
Tin	ppm	ASTM D5185(m)	>15	0	<1 0	0
Antimony Vanadium	ppm	ASTM D5185(m) ASTM D5185(m)		0		
	ppm			0	0	0
Beryllium Cadmium	ppm	ASTM D5185(m) ASTM D5185(m)		0	0	0
	ppm	ASTIVI DOTOD(III)		U		-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		122	1	1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		47	61	61
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		922	992	982
Calcium	ppm	ASTM D5185(m)		1281	1079	1076
Phosphorus	ppm	ASTM D5185(m)		746	978	984
Zinc	ppm	ASTM D5185(m)		863	1198	1204
Sulfur	ppm	ASTM D5185(m)		1996	2369	2415
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	3	2
Sodium	ppm	ASTM D5185(m)		<1	2	1
Potassium	ppm	ASTM D5185(m)	>20	3	18	11
Fuel	%	ASTM D7593*	>3.0	0.0	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0	0.8	0.1
Nitration	Abs/cm	ASTM D7624*	>20	7.1	8.1	7.5
Nitration(Diff)	Abs/cm	ASTM E2412*	< 25	8.6	8	6.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	18.8	19.5
Sulfation(Diff)	Abs/cm	ASTM E2412*		8.4	3.1	2.7

Submitted By: William Ridley



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number

: 02644744 Unique Number : 5802283

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0955698 Received : 02 Jul 2024

Tested : 03 Jul 2024 Diagnosed : 03 Jul 2024 - Kevin Marson

Test Package : MOB 2 (Additional Tests: FT-IR(Diff), FuelDilution, PercentFuel) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

WFR Technical Services

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> T: F:

Submitted By: William Ridley