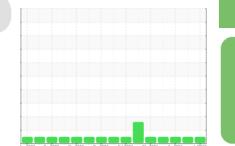


OIL ANALYSIS REPORT

SAMPLE INFORMATION method



Sample Rating Trend



Diesel Engine Fluid TEST OIL GOLD 4 (40 LTR)

DIAGNOSIS

Area KDAC Machine Id

200288

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Fluid Condition

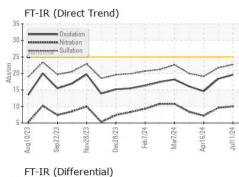
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

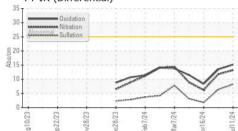
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0955701	WC0955696	WC0926310
Sample Date		Client Info		11 Jul 2024	27 Jun 2024	16 Apr 2024
Machine Age	kms	Client Info		388390	379262	342506
Oil Age	kms	Client Info		62214	53078	16330
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
	NI.	ام مالح میں	1:00:14/10:00:00		Internet	la i a ta mu O
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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 D5185(m)	>200	30	26	13
Chromium	ppm	ASTM D5185(m)	>6	1	1	<1
Nickel	ppm	ASTM D5185(m)	>3	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>50	6	5	3
Lead	ppm	ASTM D5185(m)	>10	0	0	0
Copper	ppm	ASTM D5185(m)	>50	13	12	10
Tin	ppm	ASTM D5185(m)	>6	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1	1	2	<1
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	63	61	59
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	1008	998	964
Calcium	ppm	ASTM D5185(m)	980	1120	1079	1046
Phosphorus	ppm	ASTM D5185(m)	1100	991	964	965
Zinc	ppm	ASTM D5185(m)	1150	1257	1220	1155
Sulfur	ppm	ASTM D5185(m)	2600	2083	2108	2348
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	4	3	1
Sodium	ppm	ASTM D5185(m)		2	2	1
Potassium	ppm	ASTM D5185(m)	>20	8	7	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	1	0.9	0.4
Nitration	Abs/cm	ASTM D7624*	>20	10.0	9.6	7.2
Nitration(Diff)	Abs/cm	ASTM E2412*	< 25	13.2	11.8	6.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.7	21.7	19.1
Sulfation(Diff)	Abs/cm	ASTM E2412*		8.2	6.4	1.8
):30:55) Rev: 1					Submitted By	: William Ridley

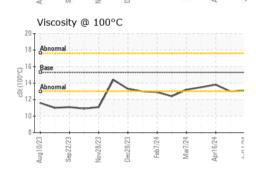
Report Id: WFRBUR [WCAMIS] 02647994 (Generated: 07/16/2024 10:30:55) Rev: 1

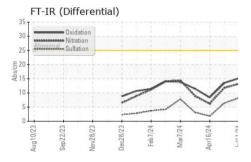


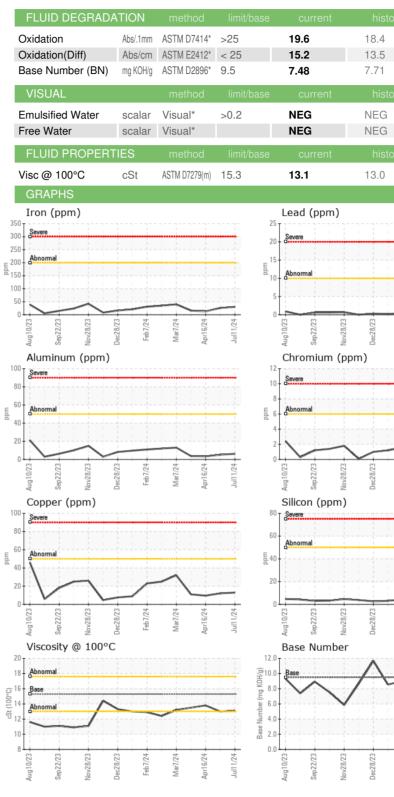
OIL ANALYSIS REPORT











: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Received

Diagnosed

Tested

: 15 Jul 2024

: 16 Jul 2024

: 16 Jul 2024 - Kevin Marson

WFR Technical Services

Aar7/04

or16/24

14.6

8.4

9.68

NEG

NEG

13.8

Ar7/DA

5389 Riverside Drive Burlington, ON CA L7L 3Y1 Contact: William Ridley wfr.technical.services@gmail.com Т: F:

PUD1

Report Id: WFRBUR [WCAMIS] 02647994 (Generated: 07/16/2024 10:30:55) Rev: 1

CALA

ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No.

Lab Number : 02647994

Unique Number : 5813546

: WC0955701

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test Package : MOB 2 (Additional Tests: FT-IR(Diff))

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.

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Submitted By: William Ridley
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Page 2 of 2

Jul11/24