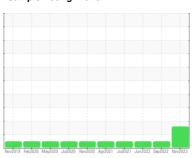


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 7205
Component

Diesel Engine

DIESEL ENGINE OIL SAE 10W30 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of dirt present in the oil.

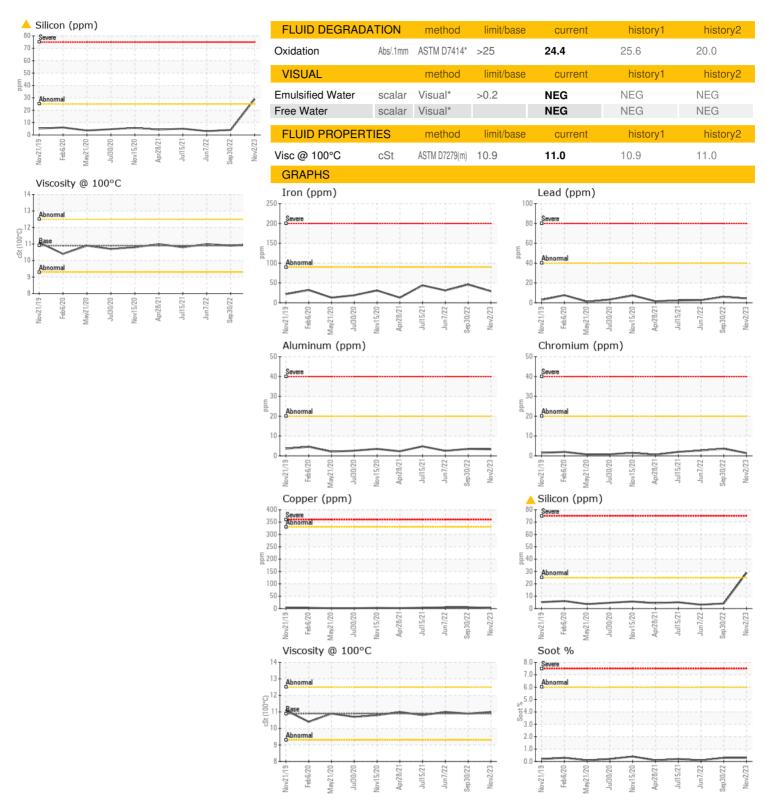
Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

Novi2019						
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0853110	WC0738047	WC0703022
Sample Date		Client Info		02 Nov 2023	30 Sep 2022	07 Jun 2022
Machine Age	kms	Client Info		299002	259502	228878
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	l	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)	>90	29	46	31
Chromium	ppm	ASTM D5185(m)	>20	1	4	3
Nickel	ppm	ASTM D5185(m)	>2	<1	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	3	4	2
Lead	ppm	ASTM D5185(m)	>40	4	6	3
Copper	ppm	ASTM D5185(m)		2	5	5
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	_	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	24	6	8
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	1	47	48
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	727	856	915
Calcium	ppm	ASTM D5185(m)	3000	1344	1065	1050
Phosphorus	ppm	ASTM D5185(m)	1150	650	950	1007
Zinc	ppm	ASTM D5185(m)	1350	728	1092	1149
Sulfur Lithium	ppm	ASTM D5185(m) ASTM D5185(m)	4250	2568	2420 <1	2525 <1
	ppm			<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<u>^</u> 29	4	3
Sodium	ppm	ASTM D5185(m)		3	3	3
Potassium	ppm	ASTM D5185(m)	>20	6	3	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.3	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	11.5	12.0	10.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.4	25.7	23.2



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number Unique Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0853110 : 02609906

: 5710992

Recieved : 19 Jan 2024 Diagnosed : 19 Jan 2024 Diagnostician : Kevin Marson

Test Package : MOB 1

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.

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