

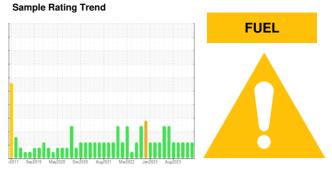
OIL ANALYSIS REPORT



Machine Id **NEW FLYER 0912**

Diesel Engine

SAFETY-KLEEN PERFORMANCE PLUS XHD-7 15W40 (--- GAL)



DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

▲ Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917626	WC0891121	WC0878067
Sample Date		Client Info		03 Apr 2024	05 Jan 2024	20 Nov 2023
Machine Age	kms	Client Info		324822	323238	313556
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	N	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
ron	ppm	ASTM D5185(m)	>75	4	16	12
Chromium	ppm	ASTM D5185(m)	>5	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>15	<1	2	1
Lead	ppm	ASTM D5185(m)	>25	0	<1	<1
Copper	ppm	ASTM D5185(m)	>100	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>4	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	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		55	55	56
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		932	900	912
Calcium	ppm	ASTM D5185(m)		991	990	985
Dia a a sa la a sussa		/ /		331		
Pnospnorus	ppm	ASTM D5185(m)		959	941	942
•	ppm ppm	, ,				942 1130
Zinc		ASTM D5185(m)		959	941	
Zinc Sulfur	ppm	ASTM D5185(m) ASTM D5185(m)		959 1118	941 1105	1130
Zinc Sulfur	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	959 1118 2522	941 1105 2449	1130 2364
Zinc Sulfur Lithium CONTAMINANTS	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base >25	959 1118 2522 <1 current	941 1105 2449 <1	1130 2364 <1 history2
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	>25	959 1118 2522 <1 current 1 <1	941 1105 2449 <1 history1 3	1130 2364 <1 history2 2
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) METHOD METHOD ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		959 1118 2522 <1 current 1 <1 0	941 1105 2449 <1 history1 3 1	1130 2364 <1 history2 2 1
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	>25	959 1118 2522 <1 current 1 <1	941 1105 2449 <1 history1 3	1130 2364 <1 history2 2
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) METHOD METHOD ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>25 >20	959 1118 2522 <1 current 1 <1 0	941 1105 2449 <1 history1 3 1	1130 2364 <1 history2 2 1
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>25 >20 >3.0	959 1118 2522 <1 current 1 <1 0 4.1	941 1105 2449 <1 history1 3 1 4	1130 2364 <1 history2 2 1 0
Silicon Sodium Potassium Fuel	ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) METHOD METHOD ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D7593* METHOD	>25 >20 >3.0 limit/base	959 1118 2522 <1 current 1 <1 0 ▲ 4.1 current	941 1105 2449 <1 history1 3 1 4 \$\triangle\$ 5.4	1130 2364 <1 history2 2 1 0 \$\triangle\$5



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WC0917626 Lab Number : 02627662 Unique Number : 5760794

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 09 Apr 2024

Received **Tested** : 10 Apr 2024 Diagnosed : 10 Apr 2024 - Wes Davis

Test Package : MOB 1 (Additional Tests: 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.

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