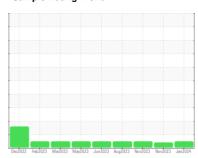


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 2116 Component Natural Gas Engine

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

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil

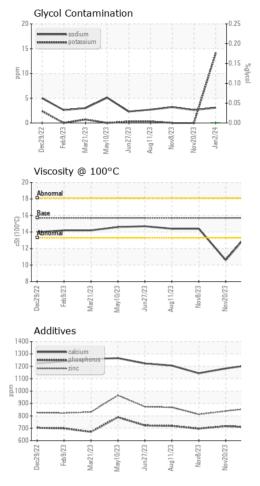
Fluid Condition

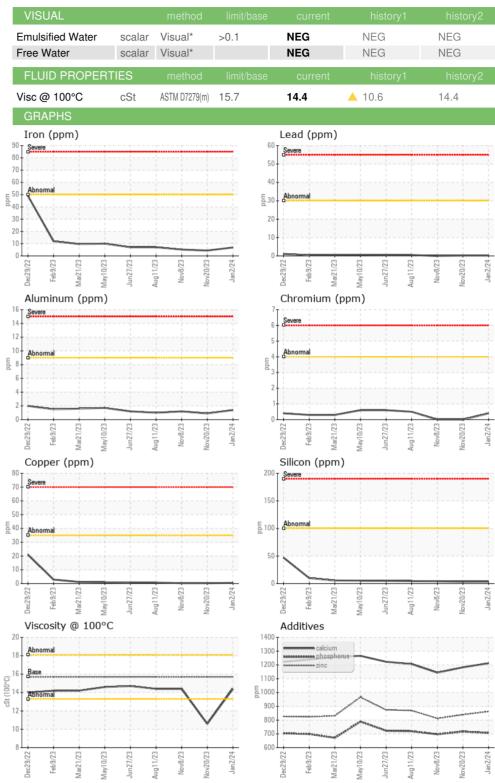
Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

D-7 15W40 ((GAL)	Dec2022 Fe	b2023 Mar2023 May2023	Jun2023 Aug2023 Nov2023 Nov2	023 Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0891153	WC0878066	WC0849742
Sample Date		Client Info		02 Jan 2024	20 Nov 2023	08 Nov 2023
Machine Age	kms	Client Info		63832	55988	0
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>50	7	4	5
Chromium	ppm	ASTM D5185(m)	>4	<1	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	0	0
Fitanium -	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>9	1	<1	1
_ead	ppm	ASTM D5185(m)	>30	<1	<1	0
Copper	ppm	ASTM D5185(m)	>35	<1	<1	<1
Fin	ppm	ASTM D5185(m)	>4	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
/anadium	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)		20	40	39
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		52	48	48
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		799	784	784
Calcium	ppm	ASTM D5185(m)		1212	1183	1144
Phosphorus	ppm	ASTM D5185(m)		707	717	697
Zinc	ppm	ASTM D5185(m)		862	839	812
Sulfur	ppm	ASTM D5185(m)		2108	1974	1914
_ithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	3	3	4
Sodium	ppm	ASTM D5185(m)		3	3	3
Potassium	ppm	ASTM D5185(m)	>20	14	0	0
Glycol	%	ASTM D7922*		0.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	10.5	7.3	6.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	19.8	19.8
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.5	17.0	15.5



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number Unique Number

: WC0891153 : 02606736

: 5707822

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

: 05 Jan 2024 Diagnosed

: 08 Jan 2024 Diagnostician : Kevin Marson Test Package : MOB 1 (Additional Tests: Glycol)

CITY OF HAMILTON 2200 UPPER JAMES,, MOUNTAIN TRANSIT STOREROOM MOUNT HOPE, ON

CA LOR 1W0 Contact: Jeff Parr jeff.parr@hamilton.ca

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.

T: (905)546-2424 F: (905)679-4502