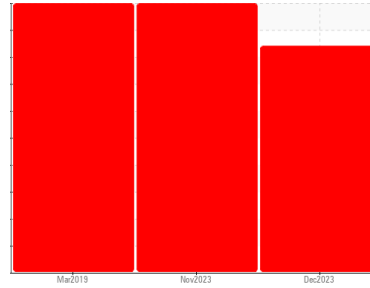




OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL



Machine Id
NEW HOLLAND T81275 ZDRC06410

Component
Diesel Engine
Fluid
SAE 10W40 (20 LTR)

DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Test for glycol is positive. There is a high concentration of glycol present in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC801389	WC801390	WC801392
Sample Date	Client Info		01 Dec 2023	10 Nov 2023	27 Mar 2019
Machine Age	hrs	Client Info	3811	3725	1600
Oil Age	hrs	Client Info	86	250	400
Oil Changed	Client Info		Changed	N/A	Changed
Sample Status			SEVERE	SEVERE	SEVERE

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	10	34	26
Chromium	ppm	ASTM D5185(m)	>20	<1	2	<1
Nickel	ppm	ASTM D5185(m)	>4	1	2	1
Titanium	ppm	ASTM D5185(m)		<1	2	<1
Silver	ppm	ASTM D5185(m)	>3	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	5	3
Lead	ppm	ASTM D5185(m)	>40	10	17	8
Copper	ppm	ASTM D5185(m)	>330	319	522	120
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	3	14
Vanadium	ppm	ASTM D5185(m)		0	0	1
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		54	95	195
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		60	61	68
Manganese	ppm	ASTM D5185(m)		<1	1	1
Magnesium	ppm	ASTM D5185(m)		337	429	464
Calcium	ppm	ASTM D5185(m)		1419	1249	1137
Phosphorus	ppm	ASTM D5185(m)		989	1064	1038
Zinc	ppm	ASTM D5185(m)		1068	916	878
Sulfur	ppm	ASTM D5185(m)		2695	2470	2870
Lithium	ppm	ASTM D5185(m)		<1	<1	0

CONTAMINANTS

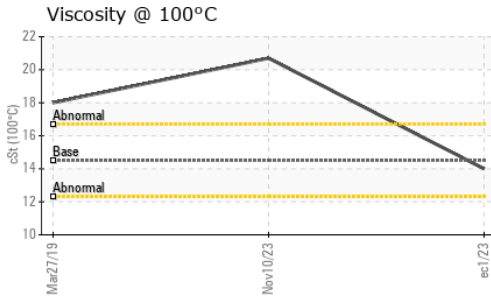
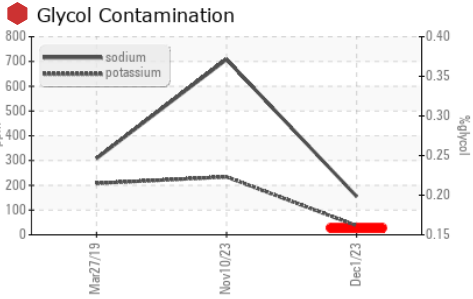
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	10	31	13
Sodium	ppm	ASTM D5185(m)	>401	155	708	308
Potassium	ppm	ASTM D5185(m)	>20	37	234	208
Glycol	%	ASTM D7922*		0.164	>.70	>.70

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0	0.2	0.4
Nitration	Abs/cm	ASTM D7624*	>20	4.6	16.0	24.2
Sulfation	Abs./1mm	ASTM D7415*	>30	19.3	4.4	0.0



OIL ANALYSIS REPORT

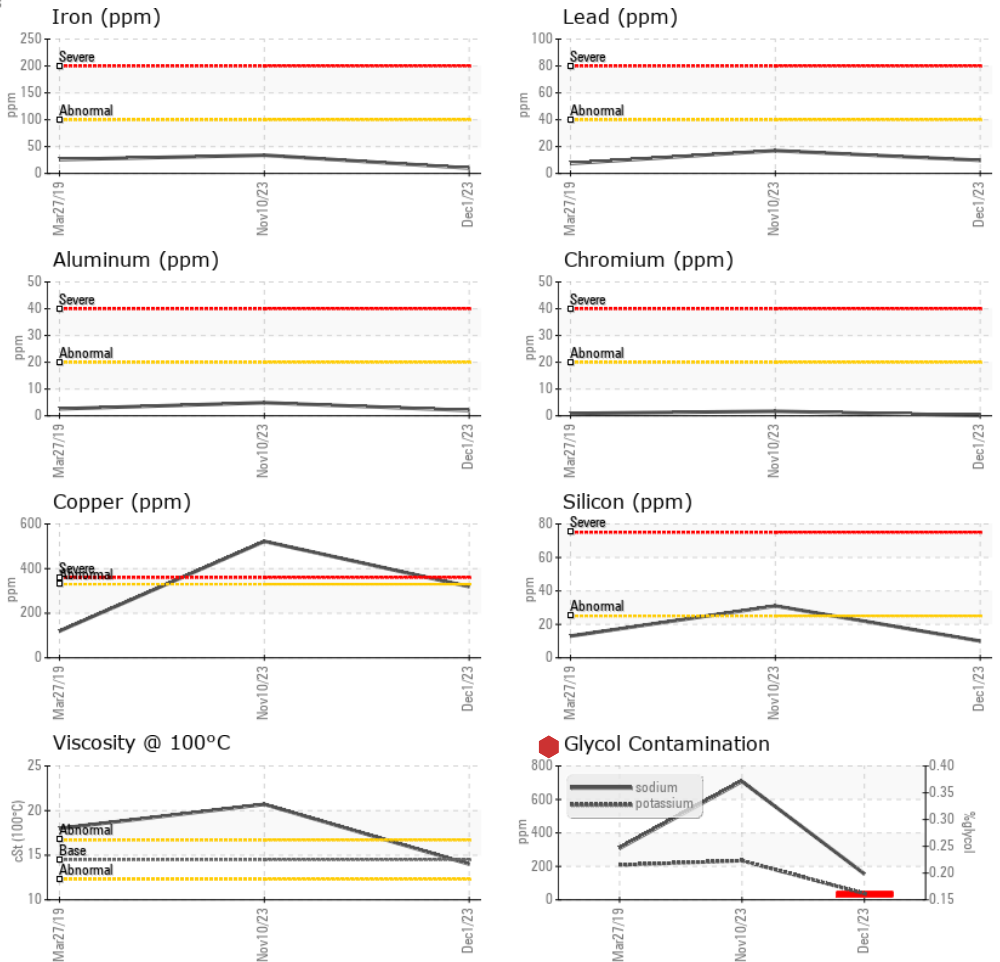


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	13.8	15.2	26.8

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	---	NONE
Precipitate	scalar	Visual*	NONE	NONE	---	▲ MODER
Silt	scalar	Visual*	NONE	NONE	---	NONE
Debris	scalar	Visual*	NONE	NONE	---	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	---	NONE
Appearance	scalar	Visual*	NORML	NORML	---	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	1%	1%
Free Water	scalar	Visual*		NEG	>10%	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	14.0	20.7	▲ 18.0

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC801389 **Received** : 05 Dec 2023
Lab Number : **02600853** **Diagnosed** : 06 Dec 2023
Unique Number : 5693938 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: Visual)

Delta Power Equipment
 197211 line 119
 St. Mary's, ON
 CA N4X 1C5
 Contact: Steve Jaques
 steve.jaques@deltapower.ca
 T: (519)349-2180
 F:

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.