

Current

WC0924029

17 Apr 2024

220118

0

History1

07 Dec 2023

214748

History2

08 Mar 2022

173631

WC0853053 WC0654463

0

Machine Id **7295** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 10W30 (--- GAL)**

RECOMMENDATION

We advise that you check for faulty combustion and a possible overheat condition. The oil change at the time of sampling has been noted.

WEAR	

All component wear rates are normal.

CONTAMINATION

There is an abnormal level of sulfation indicated. 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.

0 Filter Age kms Client Info 0 0 Oil Changed Client Info Changed Not Changd Not Changd **Client Info** Filter Changed Changed Not Changd Not Changd Sample Status ABNORMAL NORMAL NORMAL >90 79 41 Iron ppm ASTM D5185(m) 27 Chromium ASTM D5185(m) >20 3 2 2 ppm Nickel ppm ASTM D5185(m) >2 0 <1 <1 Titanium ASTM D5185(m) >2 0 0 0 ppm Silver ASTM D5185(m) >2 0 <1 <1 ppm Aluminum ASTM D5185(m) >20 10 9 8 ppm Lead 6 6 5 ppm ASTM D5185(m) >40 Copper 3 2 ASTM D5185(m) >330 ppm >15 Tin ppm ASTM D5185(m) ~1 <1 1 Vanadium ppm ASTM D5185(m) 0 0 0 Silicon 4 5 4 ASTM D5185(m) >25 ppm Potassium ASTM D5185(m) >20 12 12 ppm 16 Fuel WC Method >3.0 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG NFG NEG Glycol WC Method NEG Soot % % ASTM D7844* >6 0.5 0.3 0 Nitration 16.8 Abs/cm ASTM D7624* >20 13.0 4.8 Sulfation Abs/.1mm ASTM D7415* 27.0 15.0 >30 34.0 Emulsified Water NEG NEG scalar Visual* >0.2 NEG Sodium ASTM D5185(m) 3 2 2 ppm 33 ASTM D5185(m) 250 49 Boron 30 ppm Barium ASTM D5185(m) 10 0 0 0 ppm 71 72 Molybdenum ppm ASTM D5185(m) 100 4 <1 0 Manganese ASTM D5185(m) <1 ppm Magnesium ppm ASTM D5185(m) 450 106 98 691 Calcium ppm ASTM D5185(m) 3000 1897 1912 1283 Phosphorus ASTM D5185(m) 1150 871 915 689 ppm Zinc 1026 ASTM D5185(m) 1350 1027 750 ppm Sulfur ASTM D5185(m) 4250 2650 3003 2404 ppm Oxidation ASTM D7414* 38.3 Abs/.1mm >25 26.8 9.0 Visc @ 100°C cSt ASTM D7279(m) 10.9 10.8 10.8 10.4

UOM

kms

kms

Method

Client Info

Client Info

Client Info

Client Info

Limit/Abn

Test

Sample Number

Sample Date

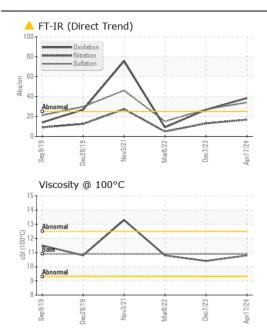
Machine Age

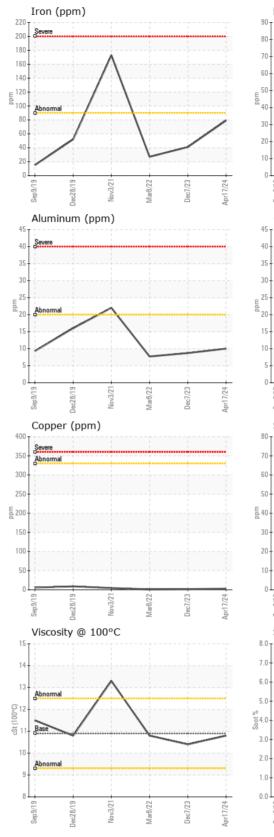
Oil Age

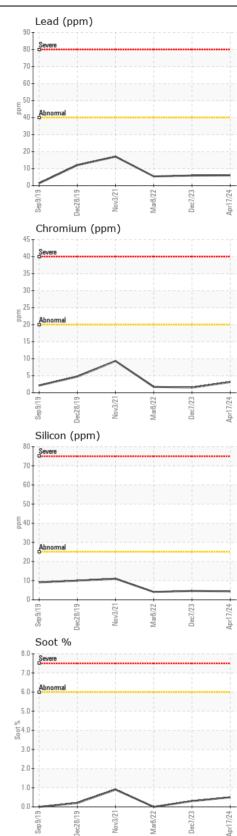
FLUID CONDITION

A small degree of oil oxidation was indicated. The oil is no longer serviceable.

Contact/Location: Serdar Okur - RUSMIS







Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. : WC0924029 Received : 17 Apr 2024 Lab Number : 02629431 Tested : 17 Apr 2024 ISO 17025:2017 Accredited Laboratory Diagnosed Unique Number : 5762563 : 17 Apr 2024 - 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.

Rush Truck Centres 7450 Torbram Rd. Mississauga, ON CA L4T 1G9 Contact: Serdar Okur sokur@rushtruckcentres.ca T: (905)671-7600 F:

Report Id: RUSMIS [WCAMIS] 02629431 (Generated: 04/18/2024 09:16:10) Rev: 1

Contact/Location: Serdar Okur - RUSMIS Page 2 of 2