

WEAR ABNORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Current

PC0075128

15 Mar 2024

Changed

Changed

ABNORMAL

107

2363

0

0

History1

History2

Machine Id JOHN Componen Rear I PETRO

JOHN DEERE 644P 8322 Component Rear Differential Fluid

PETRO CANADA DURATRAN (--- GAL)

Test

Sample Number

Sample Date

Machine Age

Oil Age

Iron

Filter Age

Oil Changed

Filter Changed

Sample Status

UOM

hrs

hrs

hrs

ppm

Method

Client Info

Client Info

Client Info

Client Info

Client Info

Client Info

Client Info

ASTM D5185(m) >500

Limit/Abn

RECOMMENDATION

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

A V		
- 1/1	/ -	

Copper, lead and tin ppm levels are abnormal. Thrust washer and/or bearing/bushing wear is indicated.

CONTAMINATION

UID CONDITION

ΕI

severe wear.

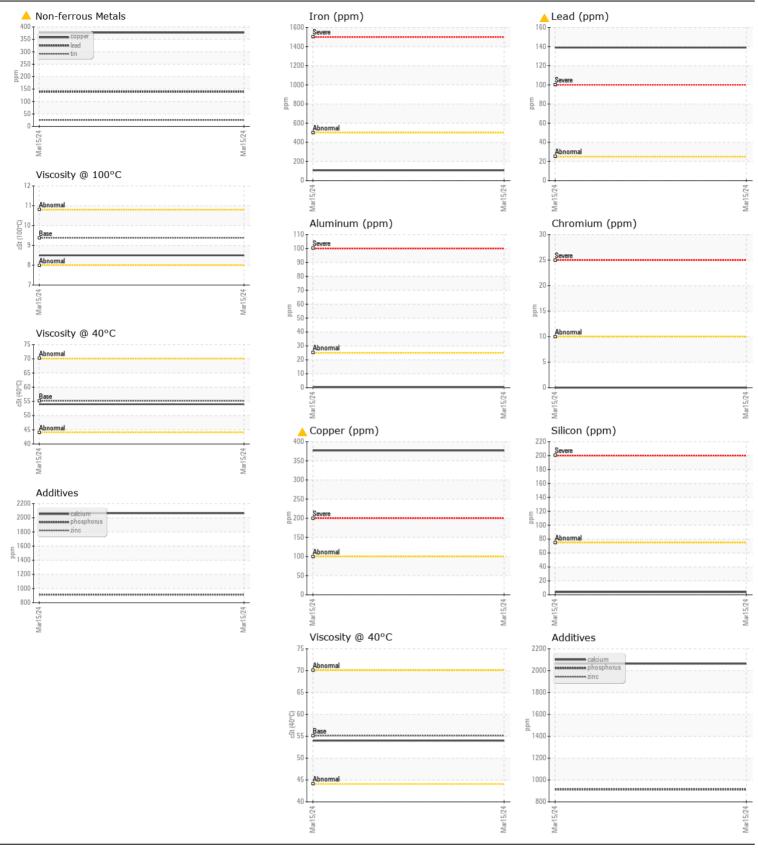
There is no indication of any contamination in the oil.

	1º 1º					
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	<1		
Lead	ppm	ASTM D5185(m)	>25	1 39		
Copper	ppm	ASTM D5185(m)	>100	4 377		
Tin	ppm	ASTM D5185(m)	>10	4 25		
Vanadium	ppm	ASTM D5185(m)		0		
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
0.11						
Silicon	ppm	ASTM D5185(m)	>75	4		
Potassium	ppm	ASTM D5185(m)	>20	1		
Water		WC Method	>.2	NEG		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	VLITE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>.2	NEG		
Codium				7		
Sodium	ppm	ASTM D5185(m)	110	7		
Boron Barium	ppm	ASTM D5185(m)	110	1		
	ppm	ASTM D5185(m)	0.0	3		
Molybdenum	ppm	ASTM D5185(m)	0.0	<1		
Manganese	ppm	ASTM D5185(m)	1	3		
Magnesium	ppm	ASTM D5185(m)	13	58		
Calcium	ppm	ASTM D5185(m)	3610	2064		
Phosphorus	ppm	ASTM D5185(m)	1192	915		
Zinc	ppm	ASTM D5185(m)	1455	910		
Sulfur	ppm	ASTM D5185(m)	2641	2804		
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	54.0		
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	8.5		
Viscosity Index (VI)	Scale	ASTM D2270*	153	131		
			Conta	ct/i ocation	Julie Holden	- FOLIMID

Report Id: EQUMID [WCAMIS] 02628961 (Generated: 04/17/2024 12:42:09) Rev: 1

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or

Contact/Location: Julie Holden - EQUMID



TRUCK AND EQUIPMENT SOLUTION Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. 2 BERTRAM INDUSTRIAL PKWY. : PC0075128 Received : 15 Apr 2024 þ Lab Number : 02628961 Tested MIDHURST, ON ISO 17025:2017 : 16 Apr 2024 Accredited CA L9X 1L2 Unique Number : 5762093 Diagnosed : 17 Apr 2024 - Kevin Marson Laboratory Test Package : MOB 1 (Additional Tests: KV100, VI) Contact: Julie Holden To discuss this sample report, contact Customer Service at 1-800-268-2131. parts@tesbarrie.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (705)792-7620 Validity of results and interpretation are based on the sample and information as supplied. F: (705)725-5425