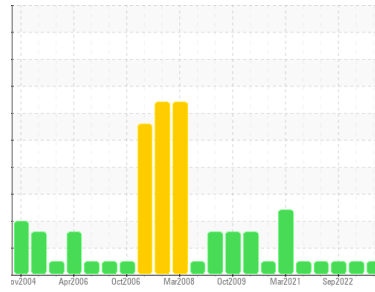




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
CATERPILLAR 322 8344 (S/N 01YS01354)
 Component
Left Final Drive
 Fluid
PETRO CANADA SYNGEAR E CD-50 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0899144	WC0790926	WC0734404
Sample Date	Client Info	31 May 2024	08 May 2023	22 Sep 2022
Machine Age	hrs	11652	11186	10720
Oil Age	hrs	466	466	540
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >800	343	50	30
Chromium	ppm ASTM D5185m >10	1	<1	<1
Nickel	ppm ASTM D5185m >5	0	0	<1
Titanium	ppm ASTM D5185m >15	2	<1	<1
Silver	ppm ASTM D5185m >2	0	0	0
Aluminum	ppm ASTM D5185m >75	29	7	0
Lead	ppm ASTM D5185m >10	0	0	1
Copper	ppm ASTM D5185m >75	<1	0	<1
Tin	ppm ASTM D5185m >8	0	0	<1
Antimony	ppm ASTM D5185m >50	---	---	---
Vanadium	ppm ASTM D5185m	0	0	<1
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	151	51	116
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	0	<1	<1
Manganese	ppm ASTM D5185m	3	<1	<1
Magnesium	ppm ASTM D5185m	10	8	4
Calcium	ppm ASTM D5185m	977	3007	39
Phosphorus	ppm ASTM D5185m	481	782	286
Zinc	ppm ASTM D5185m	289	792	9
Sulfur	ppm ASTM D5185m	2527	3391	2093

CONTAMINANTS

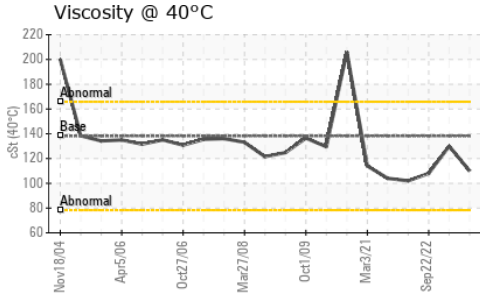
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >400	165	17	8
Sodium	ppm ASTM D5185m	5	1	4
Potassium	ppm ASTM D5185m >20	8	2	10

VISUAL

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



OIL ANALYSIS REPORT

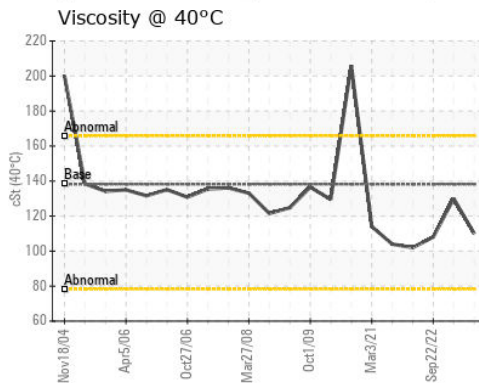
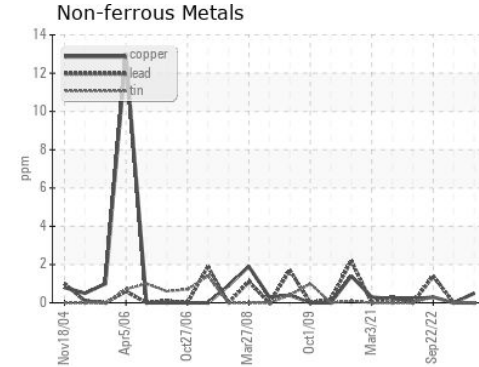
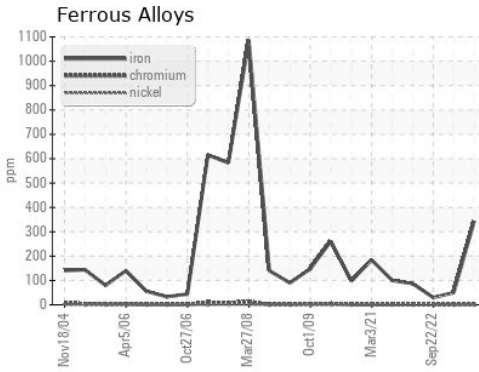


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	138.2	110	130	108

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	no image	no image	no image
Bottom	no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0899144
Lab Number : **06203096**
Unique Number : 11070557
Test Package : CONST
Received : 07 Jun 2024
Tested : 10 Jun 2024
Diagnosed : 10 Jun 2024 - Don Baldrige

TRADER CONSTRUCTION CO.
 PO DRAWER 1578
 NEW BERN, NC
 US 28563
 Contact: MIKE WYATT
 mwyatt@traderconstruction.com
 T: (252)633-1399
 F: (252)638-4871

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)