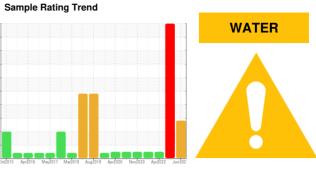


OIL ANALYSIS REPORT





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: PM-3 sampled fluid)

🔔 Wear

Bearing and/or bushing wear is indicated.

Contamination

There is a light concentration of water present in the

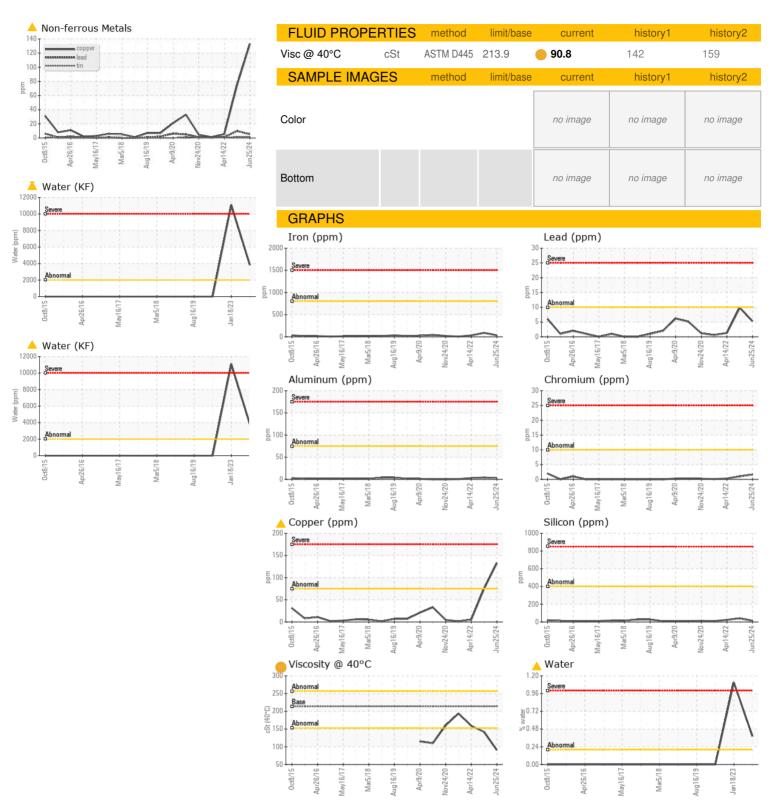
Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

RO TO-4 SAE 50 (-	GAL)	Jet2015 Apr20	016 May2017 Mar2018 .	Aug2019 Apr2020 Nov2020 Apr2	022 Jun202	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0126270	PCA0062025	PCA0037525
Sample Date		Client Info		25 Jun 2024	18 Jan 2023	14 Apr 2022
Machine Age	hrs	Client Info		3951	3426	2905
Oil Age	hrs	Client Info		3951	3426	2905
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	35	90	31
Chromium	ppm	ASTM D5185m	>10	2	1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m	>15	0	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	<1	0
Aluminum	ppm	ASTM D5185m	>75	3	4	3
Lead	ppm	ASTM D5185m	>10	5	<u> </u>	1
Copper	ppm	ASTM D5185m	>75	133	△ 75	6
Tin	ppm	ASTM D5185m	>8	2	2	<1
Antimony	ppm	ASTM D5185m	>50			
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	11	23	3
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	2	4	2
Manganese	ppm	ASTM D5185m	0	0	1	<1
Magnesium	ppm	ASTM D5185m	9	14	34	43
Calcium	ppm	ASTM D5185m	3114	2463	2673	3097
Phosphorus	ppm	ASTM D5185m	1099	870	892	1040
Zinc	ppm	ASTM D5185m	1245	1146	1273	1148
Sulfur	ppm	ASTM D5185m	7086	3361	5438	4161
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	12	40	24
Sodium	ppm	ASTM D5185m		19	65	1
Potassium	ppm	ASTM D5185m	>20	3	5	0
Water	%	ASTM D6304	>0.2	△ 0.382	▲ 1.11	
ppm Water	ppm	ASTM D6304	>2000	▲ 3820	1 1100	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	▲ 0.2%	NEG
Free Water	scalar	*Visual		NEG	▲ 5.0	NEG Submitted By
:08:25) Hev: 1						Submitted By



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number : 06226607

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0126270

Received : 02 Jul 2024 **Tested** : 03 Jul 2024

Diagnosed

: 05 Jul 2024 - Don Baldridge

19148 Ingersol Lane Neosho, MO

Unique Number : 11110100 Test Package : MOB 1 (Additional Tests: KF) Certificate 12367

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)

Contact: NEOSHO NOTIFICATIONS neosho@kempstone.com T:

Kemp Quarries - Kemp Stone - Neosho

F:

US 64850