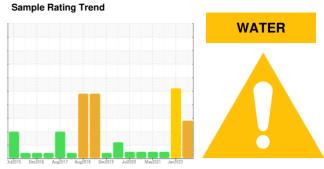


OIL ANALYSIS REPORT





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)

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)	Oct2015 Deca	016 Aug2017 Aug2018	Dec2019 Jul2020 May2021	Jan 2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0126271	PCA0062024	PCA0037606
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	10014	2905
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>800	36	69	22
Chromium	ppm	ASTM D5185m	>10	2	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m	>15	0	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>75	3	3	2
_ead	ppm	ASTM D5185m	>10	6	1 0	2
Copper	ppm	ASTM D5185m	>75	<u> </u>	<u>^</u> 74	3
Γin	ppm	ASTM D5185m	>8	2	1	<1
Antimony	ppm	ASTM D5185m	>50			
√anadium	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	15	9	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	4	2
Manganese	ppm	ASTM D5185m	0	0	1	<1
Magnesium	ppm	ASTM D5185m	9	17	32	47
Calcium	ppm	ASTM D5185m	3114	2869	2645	3140
Phosphorus	ppm	ASTM D5185m	1099	970	891	1059
Zinc	ppm	ASTM D5185m	1245	1339	1263	1242
Sulfur	ppm	ASTM D5185m	7086	3797	5451	4312
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	14	39	21
Sodium	ppm	ASTM D5185m		23	70	1
Potassium	ppm	ASTM D5185m	>20	2	4	0
Nater	%	ASTM D6304	>0.2	<u> </u>	△ 0.488	
opm Water	ppm	ASTM D6304	>2000	<u>▲</u> 3870	4880	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	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	▲ MODER	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	0.2%	0.2%	NEG
ree Water	scalar	*Visual		NEG	<u></u> >10%	NEG
J8:44) Hev: 1						Submitted B



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06226609

: PCA0126271 Unique Number : 11110102

Received **Tested** Diagnosed

: 02 Jul 2024 : 03 Jul 2024 Test Package : MOB 1 (Additional Tests: KF)

: 05 Jul 2024 - Don Baldridge

Neosho, MO US 64850 Contact: NEOSHO NOTIFICATIONS neosho@kempstone.com

Kemp Quarries - Kemp Stone - Neosho

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)

T:

F:

19148 Ingersol Lane