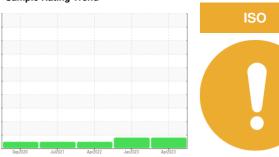


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NEW FILTER

Component Hydraulic System

SHELL TELLUS 68 (--- GAL)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

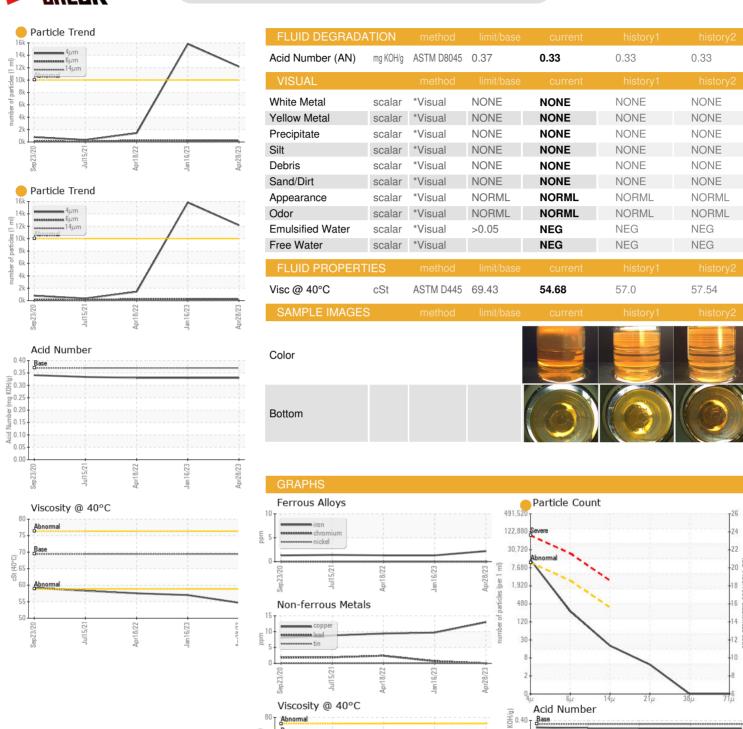
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Sep 2020	Jul2021	Apr2022 Jan2023	Apr2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0344311	WC0344308	WC0344318
Sample Date		Client Info		28 Apr 2023	16 Jan 2023	18 Apr 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	1	1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	0	<1	2
Copper	ppm	ASTM D5185m	>20	13	10	9
Tin	ppm	ASTM D5185m	>20	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		2	1	2
Magnesium	ppm	ASTM D5185m	11	0	2	2
Calcium	ppm	ASTM D5185m	39	68	62	77
Phosphorus	ppm	ASTM D5185m	260	401	335	375
Zinc	ppm	ASTM D5185m	279	499	408	492
Sulfur	ppm	ASTM D5185m	2109	1317	1521	1362
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	1	1
Sodium	ppm	ASTM D5185m		2	3	0
Potassium	ppm	ASTM D5185m	>20	3	0	2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	12156	15830	1433
Particles >6µm		ASTM D7647	>2500	240	240	251
Particles >14μm		ASTM D7647	>320	17	3	24
Particles >21µm		ASTM D7647	>80	4	1	4
Particles >38μm		ASTM D7647	>20	0	0	0
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	2 1/15/11	21/15/9	18/15/12



OIL ANALYSIS REPORT







Certificate 12367

Report Id: ETSMEM [WUSCAR] 05836609 (Generated: 07/10/2024 10:46:38) Rev: 1

Laboratory Sample No.

Lab Number : 05836609

茲 60

: WC0344311 Unique Number : 10455412 Test Package : IND 2

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 May 2023

Apr18/22

Tested : 05 May 2023 Diagnosed

Jan 16/23

: 05 May 2023 - Doug Bogart

Apr28/23

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

US 38118 Contact: PETER SMIT psmit@etshydro.com T: (901)369-5404 F: (901)369-4491

Jan 16/23

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

Contact/Location: PETER SMIT - ETSMEM

Apr18/22

ETS - ENGINEERING TECHNOLOGY SERVICE

3861 DELP ST

MEMPHIS, TN