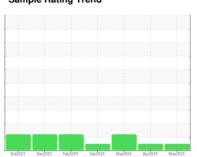


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

5000869 (S/N 500045585)

Reservoir Hydraulic System

SHELL TELLUS S2 VX 32 (--- QTS)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

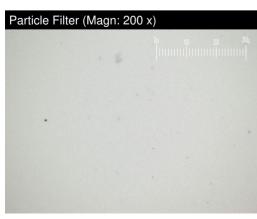
Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0002065	PH0001305	PH0002564
Sample Date		Client Info		24 May 2024	22 Apr 2024	30 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	0	Client Info		N/A	N/A	N/A
Sample Status		Oliotic iiiio		NORMAL	NORMAL	ATTENTION
				HOTHINAL		
CONTAMINATION	1	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	0	0	0
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	3
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	0	0	<1
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		2895	2921	2927
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		0	5	9
Phosphorus	ppm	ASTM D5185m		816	851	878
Zinc	ppm	ASTM D5185m		5	<1	6
Sulfur	ppm	ASTM D5185m		1665	1883	1655
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	<1
Sodium	ppm	ASTM D5185m		<1	2	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3623	4889	5772
Particles >6µm		ASTM D7647	>1300	933	1023	1411
Particles >14µm		ASTM D7647	>160	21	28	62
Particles >21µm		ASTM D7647	>40	3	3	11
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/12	19/17/12	20/18/13
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
A 1111 1 (222)						



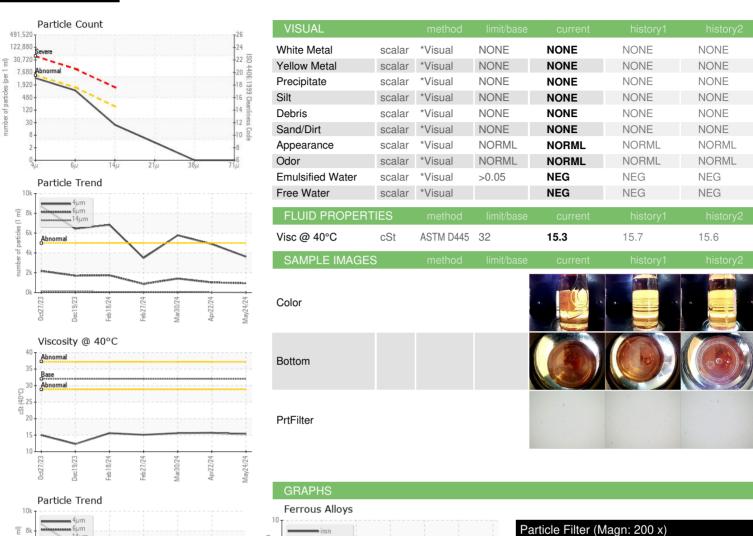
Acid Number (AN)

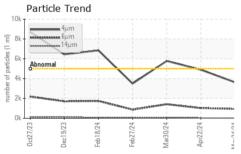
mg KOH/g ASTM D8045

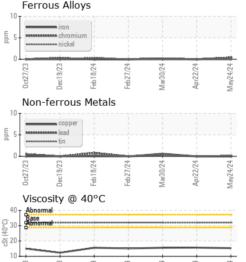
0.315

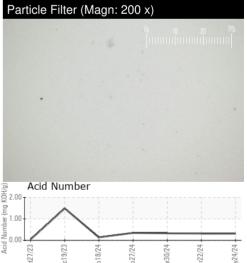


OIL ANALYSIS REPORT













Certificate 12367

Laboratory Sample No.

: PH0002065 Lab Number : 06202687 Unique Number : 11070148

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2024 **Tested** : 11 Jun 2024

Diagnosed : 11 Jun 2024 - Jonathan Hester

Test Package: PLANT (Additional Tests: PrtFilter)

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. **WOODWARD INC - DRAKE**

1000 E DRAKE RD FORT COLLINS, CO US 80525

Contact: ALMA TOVAR alma.tovar@woodward.com

T:

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

F: