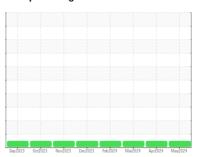


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

5000866 (S/N 500044093)

Hydraulic System

SHELL TELLUS S2 VX 32 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

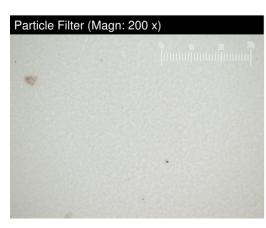
Contamination

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.

CAMPI E INFORM	ATION		122.9		1.1	hi d
SAMPLE INFORM	AHON	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0002328	PH0003827	PH0003825
Sample Date		Client Info		24 May 2024	18 Apr 2024	30 Mar 2024
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				NORMAL	NORMAL	NORMAL
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	<1	0	<1
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	<1	0	<1
Copper	ppm	ASTM D5185m	>20	5	4	6
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		0	0	46
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		28	34	38
Phosphorus	ppm	ASTM D5185m		344	330	352
Zinc	ppm	ASTM D5185m		345	316	328
Sulfur	ppm	ASTM D5185m		801	835	780
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<1	0	<1
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	326	452	747
Particles >6µm		ASTM D7647	>1300	61	79	120
Particles >14μm		ASTM D7647	>160	3	7	15
Particles >21µm		ASTM D7647	>40	2	2	7
Particles >38μm		ASTM D7647	>10	0	1	0



16/13/9

16/13/10

ASTM D7647 >3

ISO 4406 (c) >19/17/14

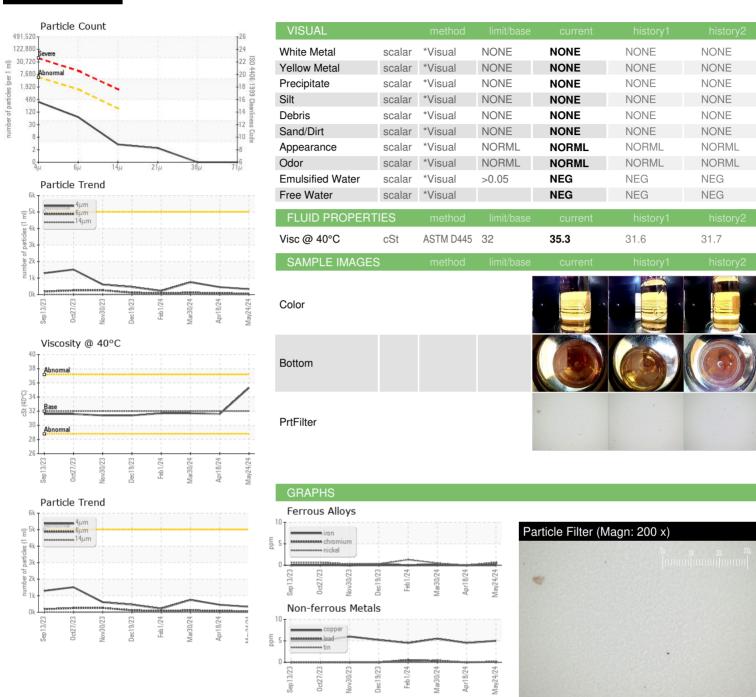
Particles >71µm

Oil Cleanliness

17/14/11



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PH0002328 Lab Number : 06202683

25

Unique Number : 11070144

Tested Diagnosed

Received

Viscosity @ 40°C

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)

Acid Number

9

: 07 Jun 2024

: 11 Jun 2024

: 11 Jun 2024 - Jonathan Hester

F: