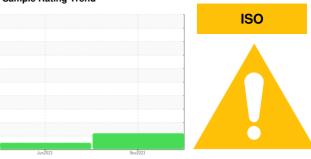


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

ESL METER

Component Hydraulic System

ROYAL PURPLE SYNFILM 32 (--- GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

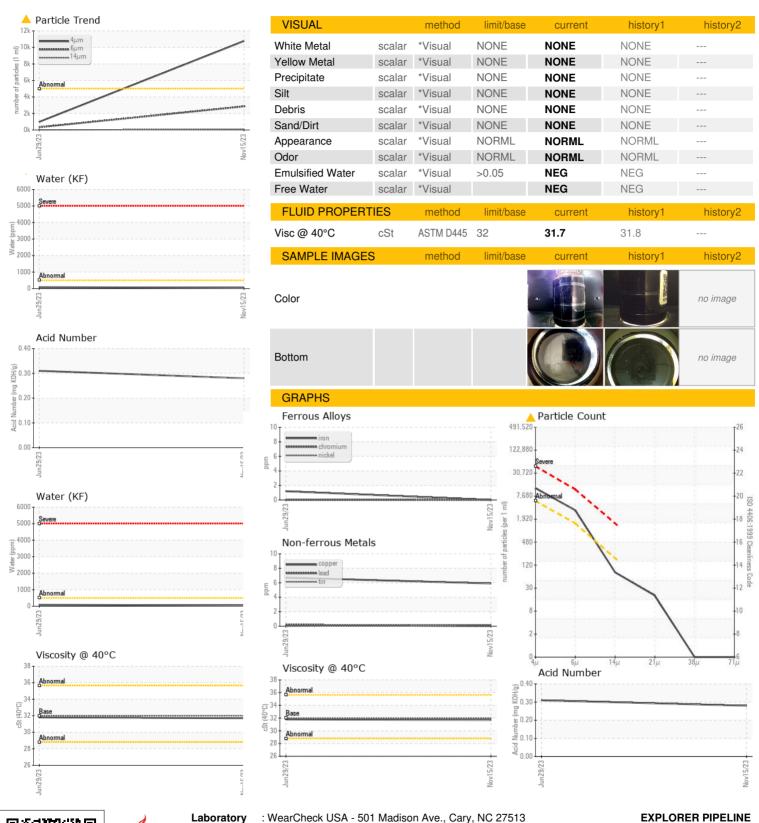
Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

		L	Jun 2023	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0001286	RP0001289	
Sample Date		Client Info		15 Nov 2023	29 Jun 2023	
Machine Age	yrs	Client Info		0	0	
Oil Age	yrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	1	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	<1	
Lead	ppm	ASTM D5185m	>20	0	<1	
Copper	ppm	ASTM D5185m	>20	6	7	
Tin	ppm	ASTM D5185m	>20	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	90	9	15	
Calcium	ppm	ASTM D5185m		2	0	
Phosphorus	ppm	ASTM D5185m		19	17	
Zinc	ppm	ASTM D5185m		21	15	
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	15	
Sodium	ppm	ASTM D5185m		2	0	
Potassium	ppm	ASTM D5185m	>20	2	<1	
Water	%	ASTM D6304	>0.05	0.004	0.008	
ppm Water	ppm	ASTM D6304	>500	50	84.8	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>	981	
Particles >6µm		ASTM D7647	>1300	<u>A</u> 2857	329	
Particles >14μm		ASTM D7647	>160	69	12	
Particles >21µm		ASTM D7647		17	2	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>21/19/13</u>	17/16/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.28	0.31	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Lab Number : 06204613 Unique Number : 11072074

: RP0001286 Test Package : IND 2

Received : 10 Jun 2024 Tested : 11 Jun 2024

Diagnosed : 11 Jun 2024 - Wes Davis

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

 st - 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: (618)251-0270

Report Id: EXPHAR [WUSCAR] 06204613 (Generated: 06/11/2024 19:33:35) Rev: 1

1355 ROBBINS RD

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