

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **ESL METER**

Component Hydraulic System

ROYAL PURPLE SYNFILM 32 (--- GAL)

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

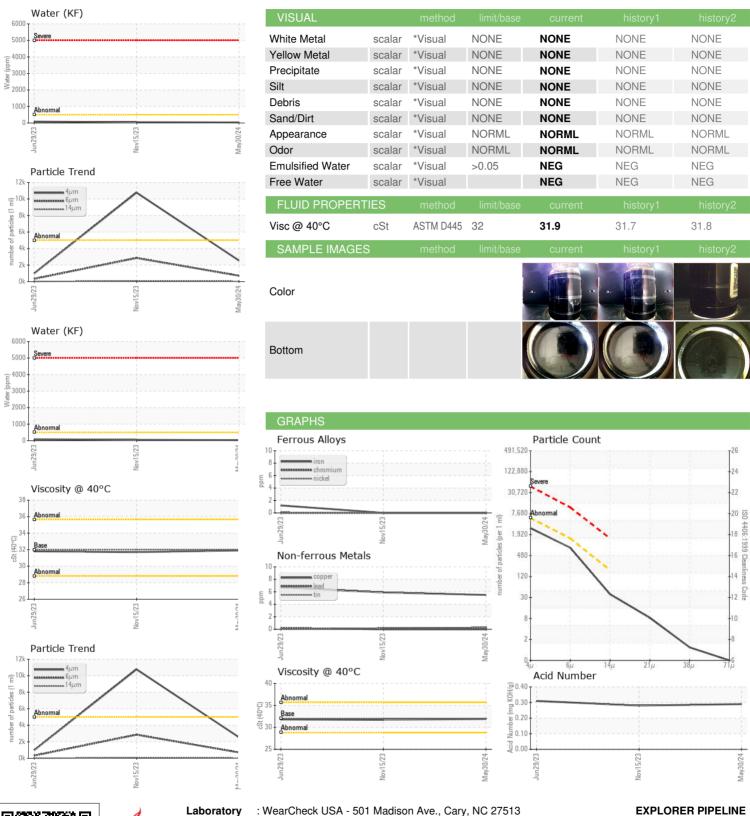
Fluid Condition

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

		Jui	2023	Nov2023 May20	v2023 May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		RP0002096	RP0001286	RP0001289	
Sample Date		Client Info		30 May 2024	15 Nov 2023	29 Jun 2023	
Machine Age	yrs	Client Info		0	0	0	
Oil Age	yrs	Client Info		0	0	0	
Oil Changed		Client Info		Not Changd	Not Changd	N/A	
Sample Status				NORMAL	ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>20	0	0	1	
Chromium	ppm	ASTM D5185m	>20	0	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	<1	
Titanium	ppm	ASTM D5185m		0	0	0	
Silver	ppm	ASTM D5185m		0	0	0	
Aluminum	ppm	ASTM D5185m	>20	0	0	<1	
Lead	ppm	ASTM D5185m	>20	0	0	<1	
Copper	ppm	ASTM D5185m	>20	6	6	7	
Tin	ppm	ASTM D5185m	>20	<1	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		<1	<1	<1	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		0	0	0	
Barium	ppm	ASTM D5185m		1	<1	0	
Molybdenum	ppm	ASTM D5185m		0	0	0	
Manganese	ppm	ASTM D5185m		<1	<1	0	
Magnesium	ppm	ASTM D5185m	90	9	9	15	
Calcium	ppm	ASTM D5185m		3	2	0	
Phosphorus	ppm	ASTM D5185m		21	19	17	
Zinc	ppm	ASTM D5185m		20	21	15	
CONTAMINANTS	;	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>15	2	2	15	
Sodium	ppm	ASTM D5185m		4	2	0	
Potassium	ppm	ASTM D5185m	>20	3	2	<1	
Water	%	ASTM D6304	>0.05	0.003	0.004	0.008	
ppm Water	ppm	ASTM D6304	>500	32	50	84.8	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2	
Particles >4μm		ASTM D7647	>5000	2550	▲ 10763	981	
Particles >6µm		ASTM D7647	>1300	706	<u>^</u> 2857	329	
Particles >14µm		ASTM D7647	>160	33	69	12	
Particles >21µm		ASTM D7647	>40	7	17	2	
Particles >38μm		ASTM D7647	>10	1	0	0	
Particles >71μm		ASTM D7647	>3	0	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/12	△ 21/19/13	17/16/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.29	0.28	0.31	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: RP0002096 : 06204612 Unique Number : 11072073

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 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)

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