

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

Rear Differential

Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

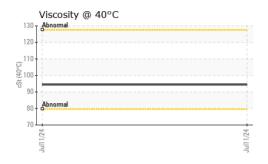
Fluid Condition

The condition of the oil is acceptable for the time in service.

				Jul2024		
				JUI2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0116166		
Sample Date		Client Info		11 Jul 2024		
Machine Age	mls	Client Info		32736		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>500	117		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Γitanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	1		
_ead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>100	<1		
Γin	ppm	ASTM D5185m	>10	0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		73		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		6		
Magnesium	ppm	ASTM D5185m		167		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		1716		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		26513		
CONTAMINAN				20010		
Silicon	TS	method	limit/base	current	history1	history2
Jilicon	TS ppm	method ASTM D5185m				history2
Sodium				current	history1	
	ppm	ASTM D5185m	>75	current	history1	
Sodium	ppm	ASTM D5185m ASTM D5185m	>75	current 18 5	history1	
Sodium Potassium VISUAL	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20	current 18 5 <1	history1	
Sodium Potassium VISUAL White Metal	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	>75 >20 limit/base	current 18 5 <1 current	history1	history2
Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE	current 18 5 <1 current NONE	history1 history1	history2
Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	>75 >20 limit/base NONE NONE	current 18 5 <1 current NONE NONE	history1 history1	 history2
Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE	current 18 5 <1 current NONE NONE NONE	history1 history1	 history2
Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE	current 18 5 <1 current NONE NONE NONE NONE	history1 history1	history2
Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE NONE	current 18 5 <1 current NONE NONE NONE NONE NONE NONE NONE	history1 history1	 history2
Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	current 18 5 <1 current NONE NONE NONE NONE NONE NONE NONE NONE NONE	history1 history1	history2
Sodium Potassium	ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	current 18 5 <1 current NONE NONE NONE NONE NONE NONE NONE NO	history1 history1	history2

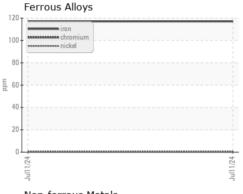


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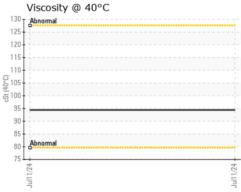




GRAPHS



Non-ferrous Metals





Certificate 12367

Laboratory Sample No. Lab Number : 06236579 Unique Number : 11125413

: PCA0116166

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Test Package : FLEET

Received Tested Diagnosed

: 15 Jul 2024 : 16 Jul 2024

: 16 Jul 2024 - Wes Davis

100 INDEPENDENCE BLVD COLUMBIA, SC US 29210

NW WHITE & CO - COLUMBIA DIVISION

Contact: GEORGE EDWARDS gedwards@nwwhite.com T:

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.

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

F: Contact/Location: GEORGE EDWARDS - NWWCOL