

OIL ANALYSIS REPORT

Sample Rating Trend





WL-4 Component Front Differential

Machine Id

Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. 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 oil.

Fluid Condition

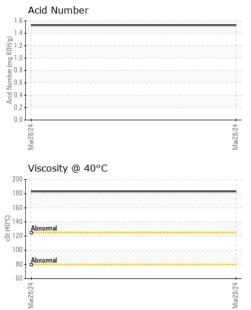
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0003952		
Sample Date		Client Info		28 Mar 2024		
Machine Age	hrs	Client Info		3033		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	35		
Chromium	ppm	ASTM D5185m	>3	0		
Nickel	ppm	ASTM D5185m	>3	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	3		
Lead	ppm	ASTM D5185m	>13	1		
Copper	ppm	ASTM D5185m	>103	7		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		14		
Calcium	ppm	ASTM D5185m		2977		
Phosphorus	ppm	ASTM D5185m		1058		
Zinc	ppm	ASTM D5185m		1279		
Sulfur	ppm	ASTM D5185m		7817		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	7		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.53		



OIL ANALYSIS REPORT

VISUAL



	White Metal	scalar	*Visual	NONE	NONE			
	Yellow Metal	scalar	*Visual	NONE	NONE			
	Precipitate	scalar	*Visual	NONE	NONE			
	Silt	scalar	*Visual	NONE	NONE			
	Debris	scalar	*Visual	NONE	LIGHT			
	Sand/Dirt	scalar	*Visual	NONE	NONE			
Mar28/24	Appearance	scalar	*Visual	NORML	NORML			
Mar2	Odor	scalar	*Visual	NORML	NORML			
	Emulsified Water	scalar	*Visual	>.2	NEG			
	Free Water	scalar	*Visual		NEG			
	FLUID PROPERT		method	limit/boog	ourropt	biotoryd	biotom/0	
	Visc @ 40°C	cSt	ASTM D445	limit/base	e current 183	history1	history2	
				line it /le e e e			la la tamu O	
	SAMPLE IMAGES	5	method	limit/base	e current	history1	history2	
Ma28/24 +	Color				no image	no image	no image	
	Bottom				no image	no image	no image	
	Iron (ppm) 1000 Severe 500 Abnomal 0 4 500 6 500 6 500 6 500 6 500 6 500 6 500 6 500 6 500 6 500 6 500 6 6 500 6 6 6 6 6 6 6 6 6 6 6 6 6				Lead (ppm)			
	Aluminum (ppm)		Wać		Chromium (p	Chromium (ppm)		
	Copper (ppm)			Ma28/24				
	200 - Abnormal			ud 1	200 Severe			
	Viscosity @ 40°C			Mar28/24 -	Acid Number			
	200 5 150 5 100 5 100 5 100 5 100			3/24	2.0			
	0028/24			Mar28/24	Mar28,24 + 0.0			
Laboratory Sample No. Lab Number Unique Number Test Package	: 10964148	1 Madisor Receiv Testeo Diagn	ved : 04 d : 05	r, NC 27513 I Apr 2024 5 Apr 2024 Apr 2024 - Do	85	5 N JAMES CA	OLUMBIA, T US 3840	

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

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Contact/Location: BEN HARNESS - HARCOLTN

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