

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

METRO METRO 25005 Component Front Differential

Fluid {not provided} (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Area

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

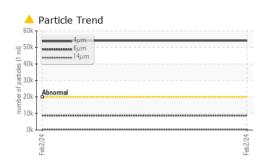
Fluid Condition

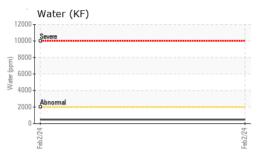
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

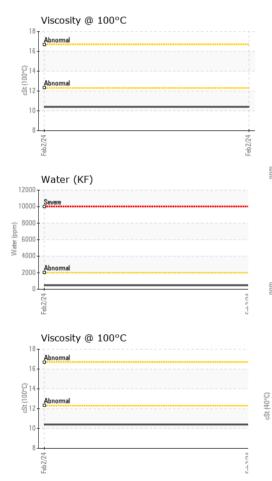
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934529		
Sample Date		Client Info		02 Feb 2024		
Machine Age	mls	Client Info		7		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	8		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	- <1		
Copper	ppm	ASTM D5185m	>100	<1		
Tin	ppm	ASTM D5185m	>100	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		313		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		2		
Phosphorus	ppm	ASTM D5185m		1655		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		28409		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	2		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>.2	0.047		
ppm Water	ppm	ASTM D6304	>2000	478		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	6 54044		
Particles >6µm		ASTM D7647	>5000	<mark> </mark> 8749		
Particles >14µm		ASTM D7647	>640	222		
Particles >21µm		ASTM D7647	>160	36		
Particles >38µm		ASTM D7647	>40	2		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 23/20/15		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



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To discuss this sample report, co. * - 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)

Certificate L2367

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