

OIL ANALYSIS REPORT

MET EXPRESS Machine Id MET EXPRESS 24016

Component

Front Differential

NOT GIVEN (--- GAL)

Sample Rating Trend ISO Maylo23

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. 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 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.

				May2023		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		WC0828803		
Sample Date		Client Info		16 May 2023		
Machine Age	mls	Client Info		532		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history 1	history 2
ron	ppm	ASTM D5185m	>500	11		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Γitanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
_ead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>100	0		
Гin	ppm	ASTM D5185m	>10	<1		
√anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	ррпп	method	limit/base			
			imilibase	current	history 1	history 2
Boron	ppm	ASTM D5185m		95		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		199		
Calcium	ppm	ASTM D5185m		2		
Phosphorus	ppm	ASTM D5185m		2165		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		31251		
CONTAMINANTS	3	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>75	3		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	3		
Nater	%	ASTM D6304	>.2	0.050		
opm Water	ppm	ASTM D6304	>2000	501.4		
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>20000	<u> </u>		
Particles >6µm		ASTM D7647	>5000	9820		
Particles >14µm		ASTM D7647	>640	338		
Particles >21µm		ASTM D7647	>160	143		
Particles >38µm		ASTM D7647	>40	3		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>△</u> 24/20/16		
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	ma K∩⊔/a	VSTM D804E		1 10		

Acid Number (AN)

mg KOH/g ASTM D8045

1.19



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