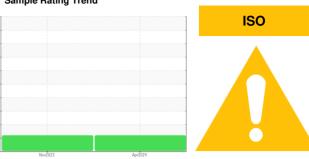


OIL ANALYSIS REPORT

Sample Rating Trend



South Molding

Press 12

12 Gearbox

GEAR OIL ISO 320 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with 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.

			Nov2023	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0007443	SBP0005196	
Sample Date		Client Info		18 Apr 2024	10 Nov 2023	
Machine Age	days	Client Info		0	0	
Oil Age	days	Client Info		0	0	
Oil Changed		Client Info		N/A	Not Changd	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		29	25	
Iron	ppm	ASTM D5185m	>200	25	20	
Chromium	ppm	ASTM D5185m	>15	<1	0	
Nickel	ppm	ASTM D5185m	>15	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m	>25	3	0	
Lead	ppm	ASTM D5185m	>100	<1	0	
Copper	ppm	ASTM D5185m	>200	1	<1	
Tin	ppm	ASTM D5185m	>25	<1	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	35	35	
Barium	ppm	ASTM D5185m	15	0	0	
Molybdenum	ppm	ASTM D5185m	15	<1	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	50	<1	<1	
Calcium	ppm	ASTM D5185m	50	0	<1	
Phosphorus	ppm	ASTM D5185m	350	326	346	
Zinc	ppm	ASTM D5185m	100	0	0	
Sulfur	ppm	ASTM D5185m	12500	9794	8999	
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	4	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	%	ASTM D6304	>0.2	0.001	0.011	
ppm Water	ppm	ASTM D6304	>2000	2	112.1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<u> </u>	▲ 71330	
Particles >6µm		ASTM D7647	>5000	9464	8010	
Particles >14µm		ASTM D7647	>640	216	202	
Particles >21µm		ASTM D7647	>160	44	42	
Particles >38µm		ASTM D7647	>40	3	1	
Particles >71μm		ASTM D7647	>10	0	0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	23/20/15	<u>\$\text{23/20/15}\$</u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.85

0.88

Submitted By: JUSTIN HURLBURT



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number Unique Number : 10992395

: SBP0007443 : 06156972

Test Package : PLANT

Received : 22 Apr 2024 Tested : 23 Apr 2024

Diagnosed : 23 Apr 2024 - Wes Davis

US 68822 Contact: JUSTIN HURLBURT Justin_W_Hurlburt@bd.com T:

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)

Report Id: BECBRONE [WUSCAR] 06156972 (Generated: 04/23/2024 17:39:10) Rev: 1

F:

150 S 1ST AVE

BROKEN BOW, NE