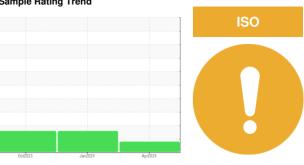


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **OLD INFEED COOLER**

Component Gearbox

USPI FG GEAR 220 (3 GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 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.

	0ct/923 Jan/2024 Apr/2024					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006659	USP0005305	USP216390
Sample Date		Client Info		25 Apr 2024	23 Jan 2024	26 Oct 2023
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<1	11	12
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7	58	55
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	13
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	4	23
Phosphorus	ppm	ASTM D5185m		574	299	315
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		1972	10835	12839
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	8	9
Sodium	ppm	ASTM D5185m		<1	3	<1
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water	%	ASTM D6304	>0.2	0.001	0.007	0.008
ppm Water	ppm	ASTM D6304	>2000	14	74	84.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	27437	<u>▲</u> 64131	▲ 68850
Particles >6µm		ASTM D7647	>5000	4658	8473	▲ 9806
Particles >14µm		ASTM D7647	>640	139	74	98
Particles >21µm		ASTM D7647	>160	28	9	10
Particles >38µm		ASTM D7647	>40	2	1	0
Particles >71µm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	22/19/14	△ 23/20/13	<u>△</u> 23/20/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.63	0.42	0.43



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number : 06161494 Unique Number : 10996917

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0006659

Received : 26 Apr 2024 **Tested** : 29 Apr 2024

Diagnosed : 30 Apr 2024 - Jonathan Hester

Test Package : IND 2 Certificate 12367 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)

T: F:

22123 HWY 5

MILAN, MO

US 63556

Contact: