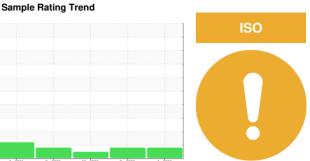


OIL ANALYSIS REPORT



Machine Id

LOAF UPSTREAM ROTATING (S/N 07061011)

Gearbox

USPI FG GEAR 460 (--- 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.

		Apr2021	Sep 2022	May2023 Sep2023	Apr2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36596	USPM29667	USPM28853
Sample Date		Client Info		02 Apr 2024	18 Sep 2023	31 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	12	7	3
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	3	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	<1
Tin	ppm	ASTM D5185m	>25	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		12	3	0
Phosphorus	ppm	ASTM D5185m		667	653	632
Zinc		ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		547	669	620
	ppm		lineit/lenen			
CONTAMINANTS		method	limit/base	current	history1	history2 2
Silicon	ppm	ASTM D5185m	>50	4	1	0
Sodium	ppm		00	0		
Potassium	ppm	ASTM D5185m		2	<1	<1
Water	%	ASTM D6304	>0.2	0.002	0.004	0.002
ppm Water	ppm	ASTM D6304	>2000	19	42.5	16.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	32519	26879	14902
Particles >6µm		ASTM D7647	>5000	1995	3718	2116
Particles >14µm		ASTM D7647	>640	49	171	45
Particles >21µm		ASTM D7647		10	50	10
Particles >38μm		ASTM D7647	>40	0	6	7
Particles >71μm		ASTM D7647		0	2	2
Oil Cleanliness		ISO 4406 (c)	>21/19/16	22/18/13	22/19/15	21/18/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.69	0.63	0.75



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06136433 Unique Number : 10955898

: USPM36596

Received Test Package : IND 2

Tested : 03 Apr 2024 Diagnosed : 04 Apr 2024 - Doug Bogart

: 02 Apr 2024

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)

SMITHFIELD FOODS - KINSTON

Contact: SERVICE MANAGER

KINSTON, NC

US

T:

F: