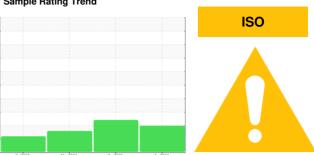


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

LOG UPSTREAM LIFTING (S/N MARK 1/PO835)

Gearbox

USPI FG GEAR 460 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

		0ct2023	2 May2023	Sep 2023 A	pr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36599	USPM29662	USPM28856
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				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	84	68	64
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	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	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		4	<1	<1
Phosphorus	ppm	ASTM D5185m		656	399	542
Zinc	ppm	ASTM D5185m		<1	0	2
Sulfur	ppm	ASTM D5185m		553	715	916
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	4	6
Sodium	ppm	ASTM D5185m		<1	2	0
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>0.2	0.002	0.005	0.001
ppm Water	ppm	ASTM D6304	>2000	22	51.5	6.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	172677	△ 232142	
Particles >6µm		ASTM D7647	>5000	120406	▲ 136630	
Particles >14µm		ASTM D7647	>640	12089	△ 6424	
Particles >21μm		ASTM D7647	>160	<u> </u>	<u></u> 868	
Particles >38µm		ASTM D7647	>40	15	12	
Particles >71μm		ASTM D7647	>10	1	1	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>\$\text{\scale}\$ 25/24/21</u>	2 5/24/20	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A : I AI (ANI)		AOTA DOO45		0.72	0.54	0.55

Acid Number (AN)

mg KOH/g ASTM D8045

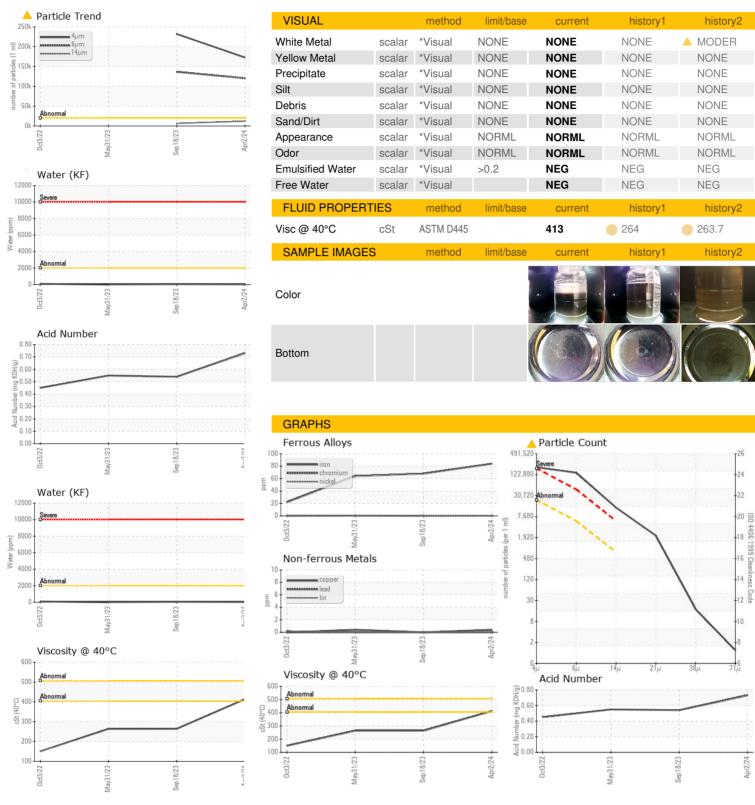
0.54

0.73

0.55



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM36599 : 06136430 Unique Number : 10955895

Test Package : IND 2

Received : 02 Apr 2024 Tested : 03 Apr 2024

Diagnosed : 04 Apr 2024 - Doug Bogart

KINSTON, NC US

Contact: SERVICE MANAGER

SMITHFIELD FOODS - KINSTON

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: SMIKIN [WUSCAR] 06136430 (Generated: 04/05/2024 20:43:43) Rev: 1

Contact/Location: SERVICE MANAGER? - SMIKIN

T:

F: