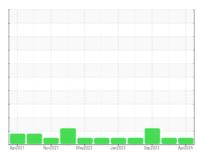


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
M78730
Component
Compressor
Fluid
USPI AIR 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

		Apr2021	Nov2021 May2022	Jan 2023 Sep 2023	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	IATION		IIIIIIVDase		•	
Sample Number		Client Info		USPM28049	USPM28050	USPM23043
Sample Date		Client Info		25 Apr 2024	27 Dec 2023	05 Sep 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				NORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	20	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	<1
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	0
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	0	0
Calcium	ppm	ASTM D5185m	0	4	0	0
Phosphorus	ppm	ASTM D5185m	1	6	2	1
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	0	30	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.2	0.007	0.008	0.024
ppm Water	ppm	ASTM D6304	>2000	77	81	245.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	4940	2349	11388
Particles >6µm		ASTM D7647	>2500	1185	881	3331
Particles >14µm		ASTM D7647	>320	82	83	221
Particles >21µm		ASTM D7647	>80	20	23	49
Particles >38μm		ASTM D7647	>20	1	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/17/14	18/17/14	21/19/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.13	0.18	0.19



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: USPM28049 : 06161461 Unique Number : 10996884 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Apr 2024 **Tested**

: 02 May 2024 Diagnosed : 02 May 2024 - Jonathan Hester

1088 E MAIN ST MT JOY, PA US 17552

CARGILL ANIMAL NUTRITION - MOUNT JOY

Contact: SEAN BERTRAND Sean_Bertrand@cargill.com T:

 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Report Id: CARMTJ [WUSCAR] 06161461 (Generated: 05/04/2024 02:35:26) Rev: 1

Contact/Location: SEAN BERTRAND - CARMTJ

F: