

PROBLEM SUMMARY

Sample Rating Trend

DEGRADATION

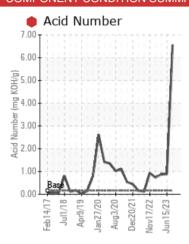
GARDNER DENVER 8 (S/N S472114)

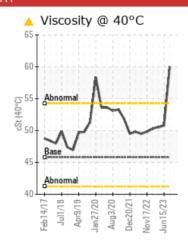
Component

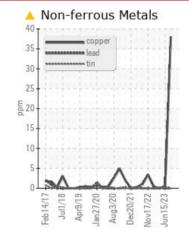
Compressor

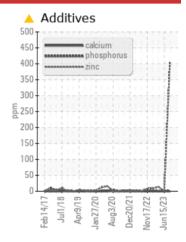
USPI MAX FG AIR 46 (--- GAL)

COMPONENT CONDITION SUMMARY









RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS										
Sample Status			SEVERE	NORMAL	NORMAL					
Copper	ppm	ASTM D5185m	>50	△ 38	<1	0				
Zinc	ppm	ASTM D5185m	0	406	0	14				
Acid Number (AN)	mg KOH/g	ASTM D8045	0.16	6.56	0.89	0.87				
Visc @ 40°C	cSt	ASTM D445	45.8	60.0	50.8	50.5				

Customer Id: CARFORCO Sample No.: USPM5905521 Lab Number: 05905521 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS Action **Status** Date Done By Description Recommend drain oil if not already done and flush with cleaner before ? Change Fluid refilling with oil. Recommend drain oil if not already done and flush with cleaner before Flush System ? refilling with oil. ? Resample We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

15 Jun 2023 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

11 May 2023 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

02 Apr 2023 Diag: Doug Bogart

NORMAL



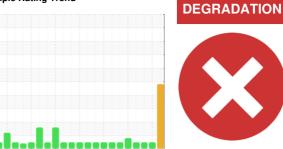
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service. Chlorine measued at 268 ppm.





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

GARDNER DENVER 8 (S/N S472114)

Component

Compressor

USPI MAX FG AIR 46 (--- GAL)

DIAGNOSIS

Recommendation

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

Wear

Copper and zinc ppm levels are abnormal.

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 above the recommended limit. The oil viscosity is higher than normal. Confirmed.

		3b2017 Jul2	018 Apr2019 Jan2020	Aug2020 Dec2021 Nov2022	Jun2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM5905521	USPM27128	USPM28810
Sample Date		Client Info		19 Jul 2023	15 Jun 2023	11 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				SEVERE	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	9	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	△ 38	<1	0
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	0	<1	9
Calcium	ppm	ASTM D5185m	0	0	<1	0
Phosphorus	ppm	ASTM D5185m	0	<1	<1	0
Zinc	ppm	ASTM D5185m	0	406	0	14
Sulfur	ppm	ASTM D5185m	0	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	<1
Sodium	ppm	ASTM D5185m		1	<1	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	4
Water	%	ASTM D6304	>0.1	0.095	0.011	0.006
ppm Water	ppm	ASTM D6304	>1000	950.5	113.2	65.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1465	100	380
Particles >6µm		ASTM D7647	>2500	214	22	62
Particles >14µm		ASTM D7647	>320	4	1	4
Particles >21µm		ASTM D7647	>80	1	0	1
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	18/15/9	14/12/7	16/13/9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045	0.16	6 56	0.89	0.87

Acid Number (AN)

mg KOH/g ASTM D8045 0.16

6.56

0.89

0.87



OIL ANALYSIS REPORT

