

# GARDNER DENVER M-24 (S/N S158712) - COMPRESSOR

**Sample No:** RP0028987

**Oil Type:** GARDNER DENVER AEON PD

## SAMPLE INFORMATION

Sample Number	RP0028987	RP0029007	RP0025968	RP0025972
Sample Date	21 Dec 2023	28 Jun 2023	17 Jan 2023	28 Jul 2022
Machine Hours	0	0	0	0
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**WESTLAKE CHEMICAL - WESTFIELD**  
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## OIL CONDITION

Visc @ 40°C	cSt	217	218	217	213.7
Acid Number (AN)	mg KOH/g	1.14	1.28	1.13	1.09

## CONTAMINATION

Water	%	0.032	0.005	0.003	0.004
Silicon	ppm	2	2	2	2
Sodium	ppm	0	<1	2	<1
Potassium	ppm	0	<1	0	0

## Diagnosis

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

## WEAR METALS

Iron	ppm	7	9	8	8
Copper	ppm	7	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	1
Aluminum	ppm	3	5	5	6
Chromium	ppm	0	0	0	0
Molybdenum	ppm	23	47	25	20
Nickel	ppm	0	0	0	1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

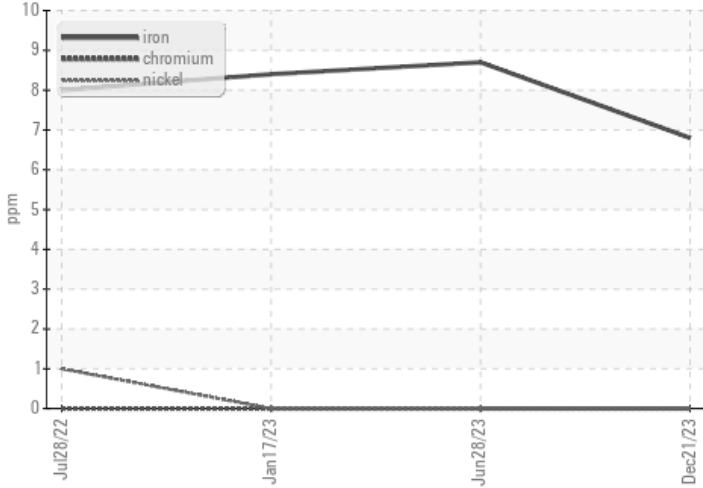
## ADDITIVES

Calcium	ppm	2	8	3	2
Magnesium	ppm	0	1	0	<1
Zinc	ppm	50	63	39	27
Phosphorus	ppm	643	715	659	574
Barium	ppm	0	<1	0	0
Boron	ppm	0	0	0	1

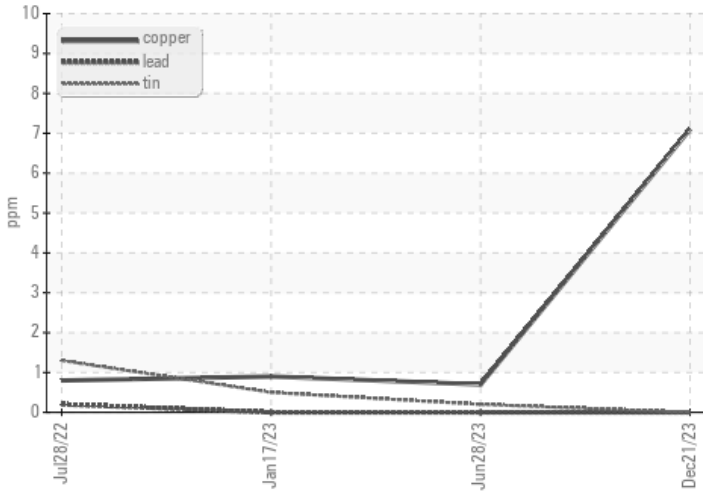
**Depot:** KLEWESMA  
**Unique No:** 10821897  
**Signed:** Don Baldrige  
**Report Date:** 10 Jan 2024

# GRAPHS

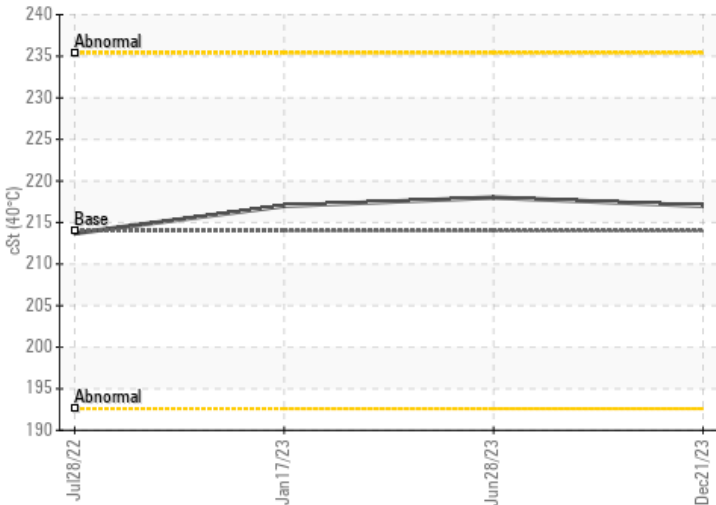
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

