



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
KAESER DSD 175 6577272 (S/N 1133)

Component
Compressor

Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCPA007281	KCP53530	KCP46444
Sample Date		Client Info		27 Nov 2023	21 Apr 2023	27 Oct 2022
Machine Age	hrs	Client Info		25907	22977	18748
Oil Age	hrs	Client Info		0	3000	2927
Filter Age	hrs	Client Info		0	3000	2927
Oil Changed		Client Info		N/A	Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	4	5	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

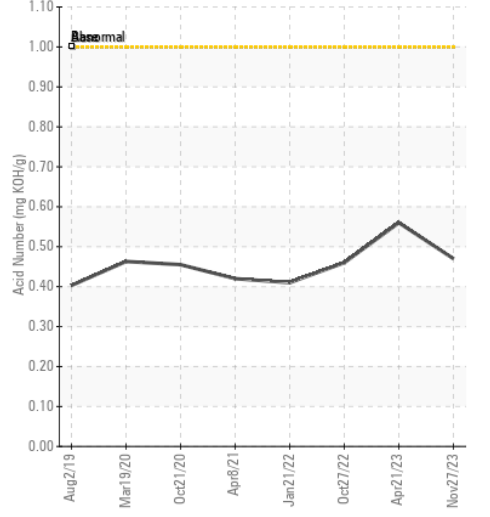
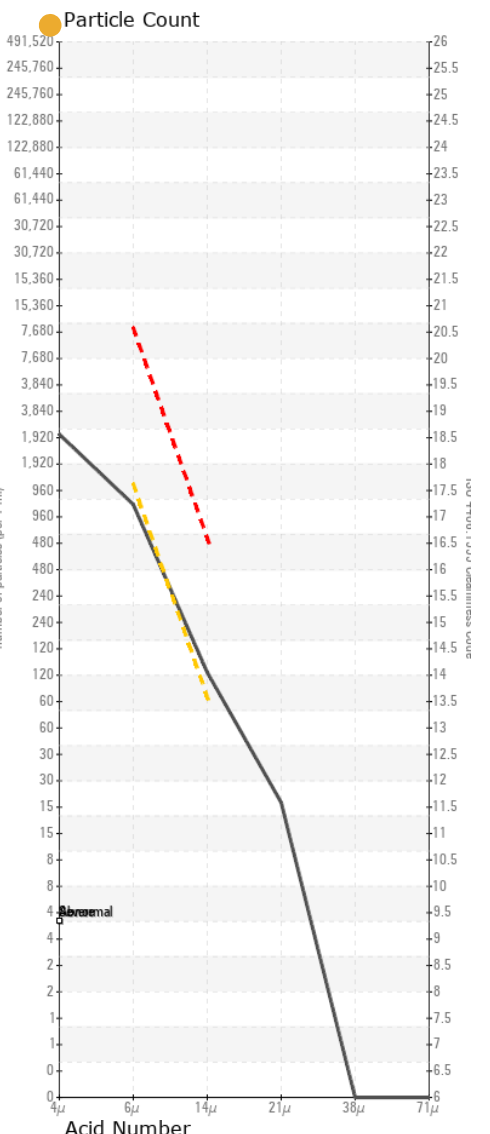
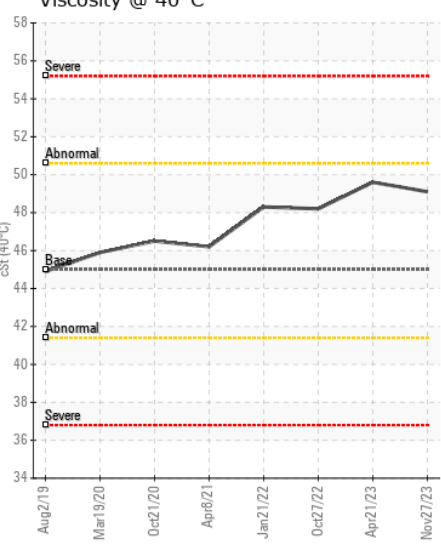
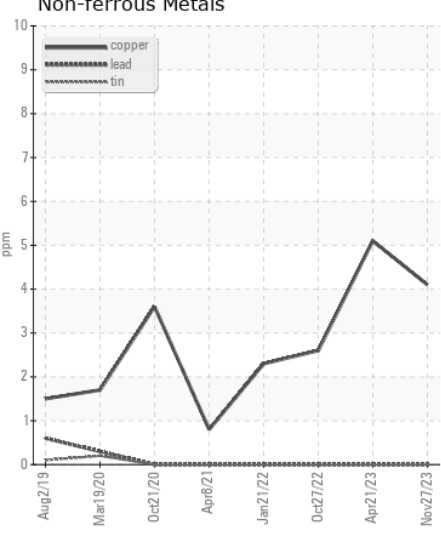
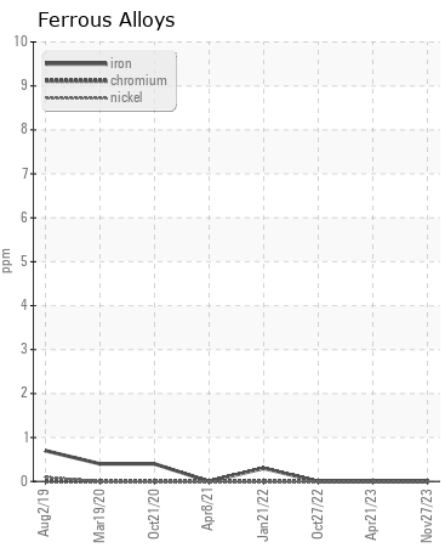
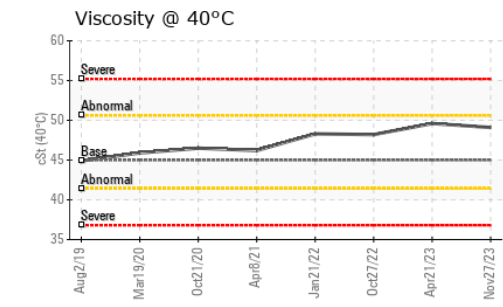
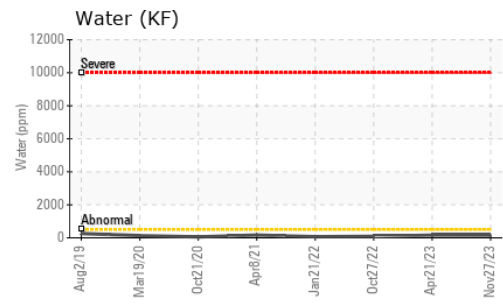
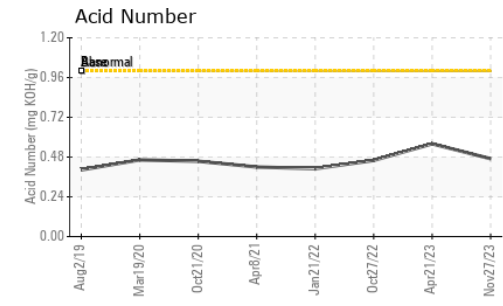
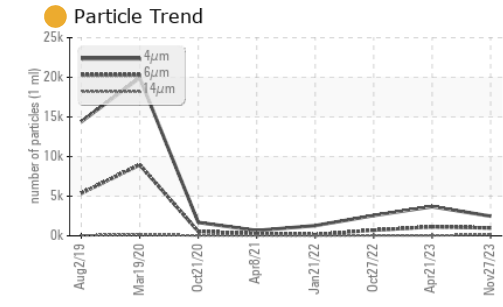
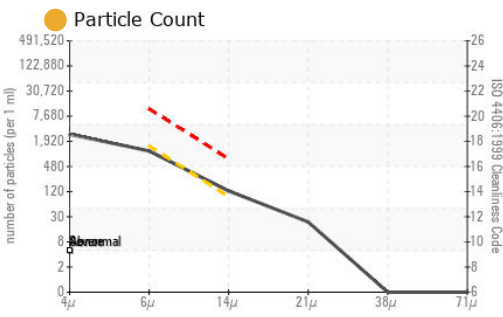
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	0	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.05	0.015	0.016	0.008
ppm Water	ppm	ASTM D6304	>500	151	162.4	89.5
Particles >4µm		ASTM D7647		2478	3685	2565
Particles >6µm		ASTM D7647	>1300	989	1139	711
Particles >14µm		ASTM D7647	>80	110	50	53
Particles >21µm		ASTM D7647	>20	20	9	13
Particles >38µm		ASTM D7647	>4	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	--/17/13	18/17/14	19/17/13	19/17/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	0	4
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	0	0	1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	0	<1	17
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	2	0	2
Zinc	ppm	ASTM D5185m	0	0	0	10
Sulfur	ppm	ASTM D5185m	23500	17557	21217	21886
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.47	0.56	0.46
Visc @ 40°C	cSt	ASTM D445	45	49.1	49.6	48.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA007281 **Received** : 06 Dec 2023
Lab Number : 06026437 **Tested** : 07 Dec 2023
Unique Number : 10776228 **Diagnosed** : 07 Dec 2023 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PriCount)

CURETON FRONTRANGE LLC
 8565 COUNTY RD 51
 KEENESBURG, CO
 US 80643
 Contact: Service Manager

Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - 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)