WEAR CONTAMINATION FLUID CONDITION

NORMAL

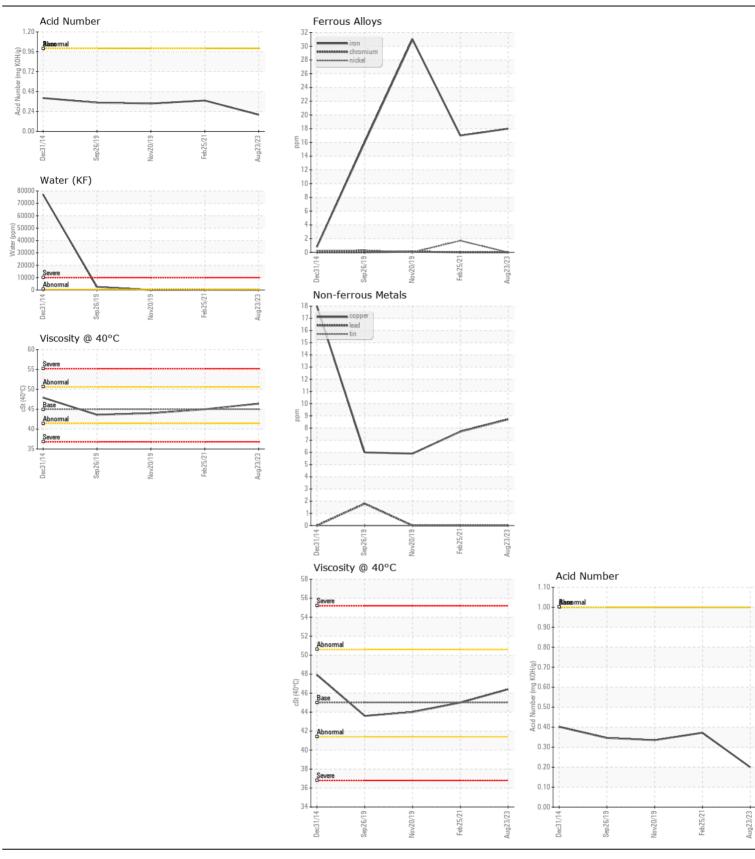
ABNORMAL

NORMAL

Machine Id

KAESER AS 25T 2680820 (S/N 1162)

Compressor							
KAESER SIGMA (OEM) M-460 (QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number		Client Info	LIIIIII/ADII	KCPA003857	KCP27007	KCP23765
No corrective action is recommended at this time. Oil and filter change	Sample Date		Client Info		23 Aug 2023	25 Feb 2021	20 Nov 2019
at the time of sampling has been noted. Resample at the next service		bro					33894
interval to monitor. We were unable to perform a particle count due to a	Machine Age	hrs	Client Info		44134	37286	
high concentration of particles present in this sample.	Oil Age	hrs	Client Info		0	3392	2654
	Filter Age	hrs	Client Info		0	3392	2654
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m		18	17	31
All and an analysis of the second seco	Chromium	ppm	ASTM D5185m	>10	0	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>3	0	2	0
	Titanium	ppm	ASTM D5185m	>3	0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	<1
	Aluminum	ppm	ASTM D5185m	>10	<1	1	<1
	Lead	ppm	ASTM D5185m	>10	0	0	0
	Copper	ppm	ASTM D5185m	>50	9	8	6
	Tin	ppm	ASTM D5185m	>10	0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	2	4	2
CONTRAINITATION	Potassium	ppm	ASTM D5185m		1	5	2
Moderate concentration of visible dirt/debris present in the oil.	Water	%	ASTM D6304		0.010	0.021	0.012
	ppm Water	ppm	ASTM D6304		104.9	216.8	126.4
	Particles >4µm	ppiii	ASTM D7647	>000			564
	Particles >6µm		ASTM D7647	>1300			307
	Particles >14μm		ASTM D7647				52
	Particles >21µm		ASTM D7647				17
	Particles >38µm		ASTM D7647				2
	Particles >71µm		ASTM D7647				0
	Oil Cleanliness		ISO 4406 (c)				15/13
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	▲ MODER	▲ MODER	LIGHT
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.05	NEG	NEG	NEG
ELUID CONDITION	On allows		AOTM DE LOE			4.5	10
FLUID CONDITION	Sodium	ppm	ASTM D5185m	0	2	15	13
The AN level is acceptable for this fluid. The condition of the oil is	Boron	ppm	ASTM D5185m		0	<1	0
suitable for further service.	Barium	ppm	ASTM D5185m		<1	0	<1
	Molybdenum	ppm	ASTM D5185m	0	0	2	0
	Manganese	ppm	ASTM D5185m	100	0	<1	<1
	Magnesium	ppm	ASTM D5185m		9	50	44
	Calcium	ppm	ASTM D5185m		0	1	<1
	Phosphorus	ppm	ASTM D5185m		53	20	11
	Zinc	ppm	ASTM D5185m		27	25	2
	Sulfur	ppm	ASTM D5185m		5218	12702	17107
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.20	0.372	0.335
	Visc @ 40°C	cSt	ASTM D445	45	46.4	45.0	44.0







Laboratory Sample No. Lab Number **Unique Number**

: KCPA003857 : 05938315 : 10628927

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Recieved : 30 Aug 2023 Diagnosed : 31 Aug 2023 Diagnostician : Doug Bogart

Test Package : IND 2 (Additional Tests: KF, PrtCount)

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)

CASTORENA MARBLE 1934 E LINCOLN AVE FORT COLLINS, CO

US 80524 Contact:

T: F: