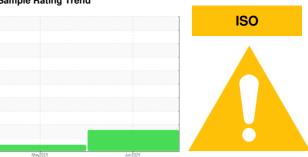


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NK VRUOXY068 (S/N SL360793 LP2)

Compressor

CIMARRON HB-150 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

Fluid Condition

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

		,	May2024	Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004511	TO90004087	
Sample Date		Client Info		18 Jun 2024	16 May 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed	1113	Client Info		N/A	N/A	
Sample Status		Olletti IIIIO		ABNORMAL	NORMAL	
				ADNOMINAL	-	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	10	4	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m		0	1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>25	2	1	
Lead	ppm	ASTM D5185m	>25	0	<1	
Copper	ppm	ASTM D5185m	>50	0	0	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	0	<1	2	
Calcium	ppm	ASTM D5185m	0	1	4	
Phosphorus	ppm	ASTM D5185m	0	34	23	
Zinc	ppm	ASTM D5185m	0	28	6	
Sulfur	ppm	ASTM D5185m	0	407	353	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	
Sodium	ppm	ASTM D5185m		7	2	
Potassium	ppm	ASTM D5185m	>20	2	5	
Water	%	ASTM D6304	>2.26	0.548	0.218	
ppm Water	ppm	ASTM D6304	>22600	5480	2180	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	288160	7204	
Particles >6µm		ASTM D7647	>2500	156583	1789	
Particles >14µm		ASTM D7647	>320	▲ 763	69	
Particles >21µm		ASTM D7647		8	12	
Particles >38µm		ASTM D7647	>20	0	1	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>\$\infty\$ 25/24/17</u>	20/18/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.25	0.14	



OIL ANALYSIS REPORT





Certificate 12367

Lab Number

Laboratory Sample No.

: TO90004511 : 06221297 Unique Number : 11099494

Received : 26 Jun 2024 **Tested** Diagnosed

: 27 Jun 2024 : 27 Jun 2024 - Don Baldridge

Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI) To discuss this sample report, contact Customer Service at 1-800-237-1369.

UM 88220-8923 Contact: CARLOS LEAL cleal@cimarron.com T:

4425 GRANDI RD, UNIT F

CARLSBAD, NM

 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)

Report Id: CIMCAR [WUSCAR] 06221297 (Generated: 06/27/2024 17:26:18) Rev: 1

Contact/Location: CARLOS LEAL - CIMCAR

F: