

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

NK 112331 (S/N SC346081) Compressor Fluid CIMARRON HB-150 (--- GAL)

DIAGNOSIS

A Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

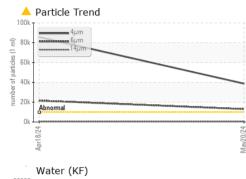
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Iron ppm ASTM D5185m >70 4 7 Chromium ppm ASTM D5185m >10 0 <1 Nickel ppm ASTM D5185m 0 1 Silver ppm ASTM D5185m 0 <1 Aluminum ppm ASTM D5185m >3 <1 2 Lead ppm ASTM D5185m >3 <1 1 Copper ppm ASTM D5185m >20 <1 <1 Cadmium ppm ASTM D5185m >3 2 2 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 <1 Magaesium ppm ASTM D5185m 0 0 <1 Magnesium ppm ASTM D5185m 0 0 <th>SAMPLE INFORM</th> <th>ATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 Oil Age hrs Client Info 0 0 Oil Changed Client Info Changed N/A Sample Status Imit/base current history1 history1 Iron ppm ASTM D5185m >70 4 7 WEAR METALS method Imit/base current history1 history1 Iron ppm ASTM D5185m >70 4 7 Chromium ppm ASTM D5185m >10 0 <1	Sample Number		Client Info		TO90004094	TO90004175	
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Oil Changed Client Info Changed ABNORMAL N/A WEAR METALS method limit/base current history1 history1 Nrch ppm ASTM 05185m >70 4 7 Othornium ppm ASTM 05185m >70 4 7 Nrckel ppm ASTM 05185m 0 1 Silver ppm ASTM 05185m 0 <1	Machine Age	hrs	Client Info		0	0	
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Manganese ppm ASTM D5185m <1 <1 <1 < Magnesium ppm ASTM D5185m 0 0 <1	Barium	ppm	ASTM D5185m	0	0	<1	
Magnesium ppm ASTM D5185m 0 0 <1	Volybdenum	ppm	ASTM D5185m	0	0	1	
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Particles >71µm ASTM D7647 >4 0 0 Dil Cleanliness ISO 4406 (c) >20/18/15 ▲ 22/21/16 ▲ 24/22/16 FLUID DEGRADATION method limit/base current history1 history							
Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 22/21/16 ▲ 24/22/16 FLUID DEGRADATION method limit/base current history1 history							
FLUID DEGRADATION method limit/base current history1 history							
			()				
Acid Number (AN) mg KOH/g ASTM D8045 0.26 0.31			method	innivoase	current	history I	nistory2

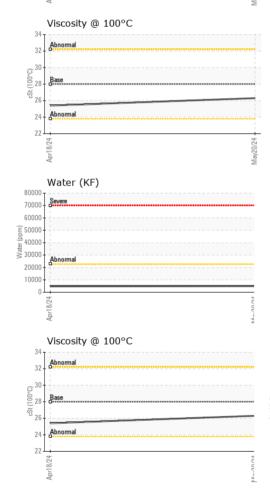
Contact/Location: CARLOS LEAL - CIMCAR Page 1 of 2



OIL ANALYSIS REPORT







		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	LIGHT	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>2.26	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERTI	ES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	154	139	
Visc @ 40 C Visc @ 100°C	cSt	ASTM D445 ASTM D445	28	26.3	25.4	
		ASTM D445 ASTM D2270	20	20.3	218	
Viscosity Index (VI)	Scale			207	210	
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image
GRAPHS						
Ferrous Alloys			491,521	Severe	-	-24 -22 -20 -18
Non-ferrous Metals				J.		+20 -18 -16 -14 -12 -10 -8
Viscosity @ 40°C			May20/24 10.0 Acid Number 10.0 Acid Number 10.0 Acid Number	Acid Number	14µ 21µ	38µ 71µ



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)

Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

Certificate 12367

Laboratory

Sample No. Lab Number Unique Number

Contact/Location: CARLOS LEAL - CIMCAR

Т:

F:

Contact: CARLOS LEAL

cleal@cimarron.com