

LIEBHERR R934 036784 - Diesel Engine

0 14.4

0 61

Sample No: LH0070661

Oil Type: CHEVRON 15W40

SAMPLE INFORMATION

Sample Number	LH0070661
Sample Date	25 Oct 2013
Machine Hours	477
Oil Hours	0
Oil Changed	Changed
Sample Status	NORMAL

OIL CONDITION Visc @ 100°C

cSt %

Oxidation (PA)

CONTAMINATION

Soot %	%	02	 	
Nitration (PA)	%	0 118	 	
Sulfation (PA)	%	071	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	06	 	
Sodium	ppm	04	 	
Potassium	ppm	3	 	

WEAR METALS

Iron	ppm	5 1	 	
Copper	ppm	0 14	 	
Lead	ppm	05	 	
Tin	ppm	04	 	
Aluminum	ppm	5	 	
Chromium	ppm	01	 	
Molybdenum	ppm	0 20	 	
Nickel	ppm	01	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	02	 	
Vanadium	ppm	0	 	

	IIIVES			
Calcium	ppm	3865	 	
Magnesium	ppm	0 103	 	
Zinc	ppm	0 1256	 	
Phosphorus	ppm	0 1004	 	
Barium	ppm	0 27	 	
Boron	ppm	230	 	





LIEBHERR CANADA LTD.

10374 267 ST. ACHESON, AB CA T7X 6A2 Contact: Rodney Budzak rodney.budzak@liebherr.com T: (780)962-6799 F: (780)962-6799

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

Depot: LIESPR Unique No: 3827015 Signed: Bill Quesnel Report Date: 11 Nov 2013

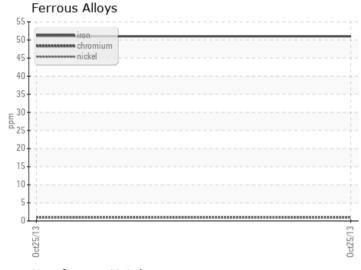
Contact/Location: Rodney Budzak - LIESPR





GRAPHS

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Non-ferrous Metals

