CONSTRUCTION EQUIPMENT

LIEBHERR R934 036784 - Left Planetary

LH0070666

25 Oct 2013 477

Changed ATTENTION

Sample No: LH0070666

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90

0

SAMPLE INFORMATION

Sample Number	
Sample Date	
Machine Hours	
Oil Hours	
Oil Changed	
Sample Status	

OIL CONDITION

Visc @ 40°C

cSt **0 124**

	NTAMINA	TION		
Silicon	ppm	0 21	 	
Sodium	ppm	06	 	
Potassium	ppm	08	 	

A				
WEA	R METALS			
Iron	ppm	0 173	 	
Copper	ppm	28	 	
Lead	ppm	01	 	
Tin	ppm	01	 	
Aluminum	ppm	3	 	
Chromium	ppm	5	 	
Molybdenum	ppm	○ <1	 	
Nickel	ppm	<1	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	3	 	
Vanadium	ppm	0	 	



ADDITIVES

Calcium	ppm	<mark>()</mark> 156	 	
Magnesium	ppm	3	 	
Zinc	ppm	<u> </u>	 	
Phosphorus	ppm	0 1324	 	
Barium	ppm	3	 	
Boron	ppm	3	 	





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

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot:	LIESPR
Unique No:	3827159
Signed:	Kevin Marson
Report Date:	12 Nov 2013

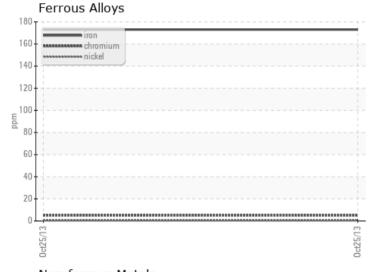
Contact/Location: Rodney Budzak - LIESPR





GRAPHS

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Non-ferrous Metals

