



## Prolube Lubricants

15 Pinnacle Street, Brendale; QLD 4500  
Ph: (07) 3881 1733 Fax: (07) 3881 1708  
Po Box 5435, Brendale, Qld 4500

UIN 0B338BB

### Hydraulic System

Unit No.

Unit:

Make Kobelco

Model

Serial No.

Capacity Ltrs

Site Yard

Compartment:

Name Hydraulic

Make

Model

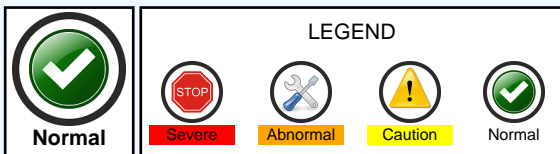
Serial No.

Customer:

### DIAGNOSIS

All wear levels appear within acceptable limits for first sample. Silicon level (dirt/sealant material) satisfactory. Water content acceptable. Viscosity of oil appears more typical of an ISO 46 grade. Action: Resample at next recommended interval to monitor and establish wear trend. Note: Sample Information Form states, Sample hoist oil for crane safe. .

ANALYST: luke.schofield



DATE SAMPLED	15-Feb-25
DATE RECEIVED	17-Feb-25
DATE REPORTED	17-Feb-25

Guidelines		
SAMPLE NO.	10203401857	10004218106
TRACKING NUMBER	8505804	43967576
WORK ORDER NO.		
COMPONENT	Hrs 0	4470
MACHINE	Hrs 0	4470
OIL	Hrs 0	
OIL MAKE	Unidentified	Unidentified
OIL TYPE	ISO	ISO
OIL GRADE	ISO 68	ISO 68
OIL ADDED	Ltrs 0.0	
FILTER	Hrs	
OIL CHANGED		Not Changed

Metals (ppm)	
Aluminium (Al)	<1
Copper (Cu)	45
Chromium (Cr)	<1
Iron (Fe)	13
Lead (Pb)	<1
Tin (Sn)	1
Nickel (Ni)	<1

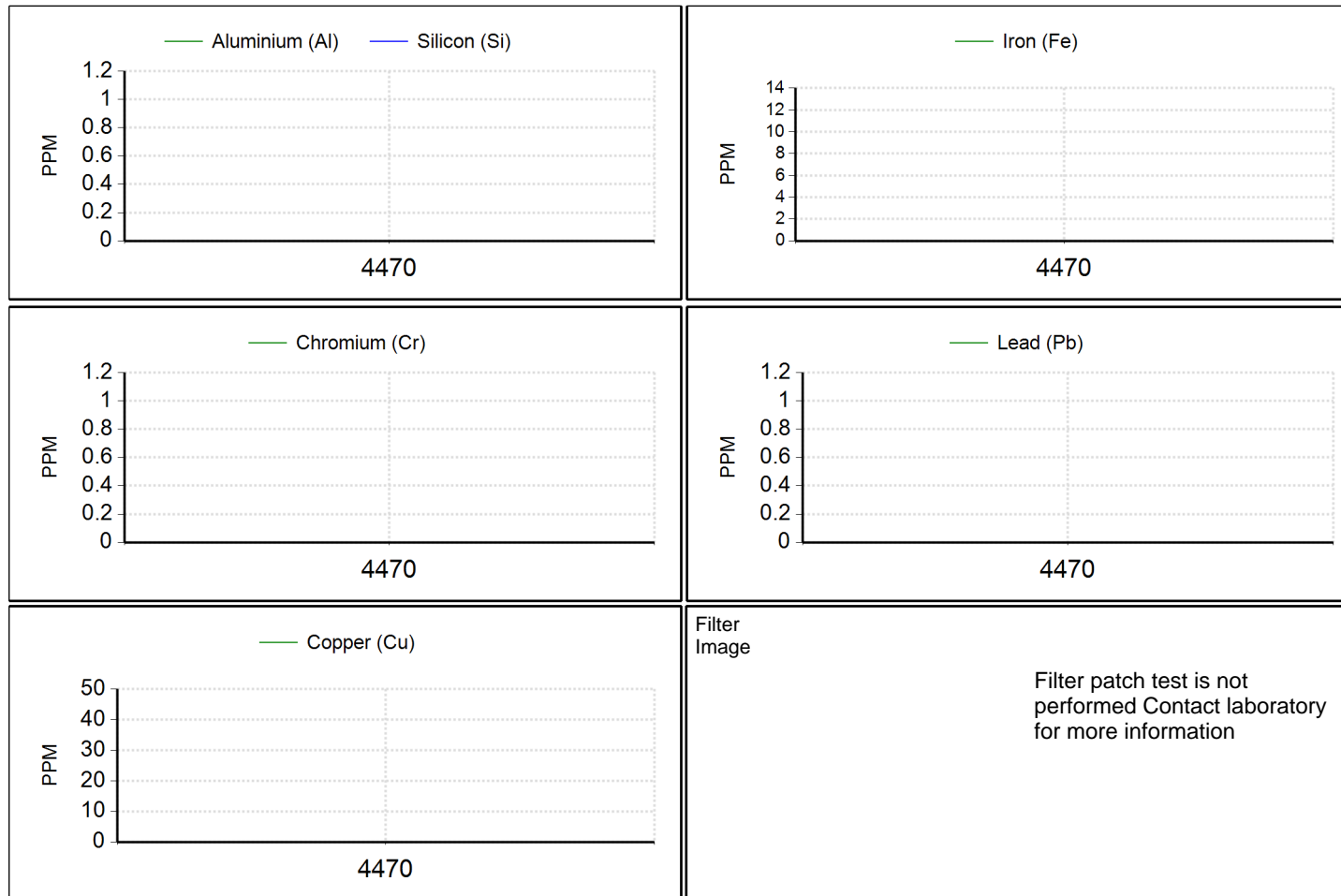
Contaminants and Additives (ppm)	
Silicon (Si)	1
Boron (B)	<5
Sodium (Na)	<1
Potassium (K)	<1
Phosphorus (P)	268
Molybdenum (Mo)	<1
Magnesium (Mg)	1
Calcium (Ca)	1
Zinc (Zn)	118

Physical Tests	
Water (%) (FTIR)	<0.1
Oxidation (Abs) (FTIR)	6.3
Viscosity (cSt, 40°C)	45
PQ Index	<10

Particle Count	
ISO 4406 Code	21/19/14
ISO Clean 4 Micron (c)	21
ISO Clean 6 Micron (c)	19
ISO Clean 14 Micron (c)	14



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Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Tribology for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

### Australia & New Zealand

#### Brisbane

41 Yarraman Place  
Virginia QLD 4014  
Phone: (07) 3326 6300  
Fax: (07) 3326 6321

#### Perth

109 Bannister Road  
Canning Vale WA 6155  
Phone: (08) 9232 0400  
Fax: (08) 9232 0499

#### Sydney

2/171-175 Newton Road  
Wetherill Park NSW 2164  
Phone: (02) 8786 3150  
Fax: (02) 9725 5071

#### Muswellbrook

Unit 2/6 Industrial Close  
Muswellbrook NSW 2333  
Phone: (02) 65422423

#### Wellington

74 Seaview Road  
Lower Hutt Wellington NZ 5010  
Phone: (64) 04 586 6202  
Fax: (64) 04 586 6262

### International Locations

#### U.S.A.

Atlanta, Georgia  
Kansas City, Kansas  
Portland, Oregon  
Valley View, Ohio  
Phoenix, Arizona  
Sparks, Nevada

Europe  
Prague

#### Canada

Burlington, Ontario  
Edmonton, Alberta

#### Southeast Asia

Kuala Lumpur, Singapore

#### South America

Santiago de Chile

All test methods are determined by laboratory location, and customer requirements. Methods can be made available on request by contacting the testing laboratory.

Alarm limits are based on a combination of trend and OEM, client and/or ALS proprietary specifications. For more information please contact your testing laboratory.

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