

Page: Case Study – Hydraulic Oil Grade 32

Intertek

FACSIMILE TRANSMITTAL SHEET

TO: GLW OIL PURIFIER PTE LTD FROM: Jessie Ho
 DATE: 18-MAR-2013
 ATTENTION: Evan Yuen YOUR FAX NO.:
 RE: ANALYSIS RESULTS TOTAL PAGES: 2

If this preliminary report is faxed / printed, it is considered an uncontrolled document. As an uncontrolled document, the test result(s) indicated below is / are not final until the original test report is received.

If you do not receive all pages clearly, please let us know as soon as possible to the undersigned either by telephone or fax as stated. Telephone: 6469 9109 Fax: 6469 1982

CB REF/NO.: 2013-MIS-013057-001
 SAMPLE DESCRIPTION:
 CO. NAME:
 SER:
 LUB:
 NO1:
 DAT:

Before Filtration

TEST	METHOD	UNIT	SPECIFICATION	RESULT
Zinc	ASTM D5185-09(MOD)	mg / kg	Report	85
Water	ASTM D5185-09(MOD)	mg / kg	Report	<1
Water	ASTM D5185-09(MOD)	mg / kg	Report	7
Total /				
PO-in	Light Obscuration	counts / 100ml		
Spect				
Iron	5 to 15 microns	counts / 100ml	Report	47139
Chron				
Molyb	15 to 25 microns	counts / 100ml	Report	1607
Copp				
Lead	25 to 50 microns	counts / 100ml	Report	101
Silver				
Tin	50 to 100 microns	counts / 100ml	Report	10
Alumi				
Nickel	100+ microns	counts / 100ml	Report	1
Vanac				
Silico	Oil conforms to NAS 1638 Class	Light Obscuration	Report	out of range

REMARKS : Very high particle counts. Check and service filter. Improve filter efficiency to remove the dirt particles in oil. Improve breather efficiency if possible. Oil is fit for further used once dirt particles are removed in oil.

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FACSIMILE TRANSMITTAL SHEET

TO: GLW OIL PURIFIER PTE LTD FROM: Jessie Ho
 DATE: 06-MAR-2013
 ATTENTION: Evan Yuen YOUR FAX NO.:
 RE: ANALYSIS RESULTS TOTAL PAGES: 2

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CB REF/NO.: 2013-MIS-011167-001
 SAMPLE DESCRIPTION:

After Filtration

TEST	METHOD	UNIT	SPECIFICATION	RESULT
Zinc	ASTM D5185-09(MOD)	mg / kg	Report	71
Barium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Calcium	ASTM D5185-09(MOD)	mg / kg	Report	5
Light Obscuration	Light Obscuration	counts / 100ml		
5 to 15 microns	Light Obscuration	counts / 100ml	Report	7453
15 to 25 microns	Light Obscuration	counts / 100ml	Report	213
25 to 50 microns	Light Obscuration	counts / 100ml	Report	53
50 to 100 microns	Light Obscuration	counts / 100ml	Report	0
100+ microns	Light Obscuration	counts / 100ml	Report	0
Oil conforms to NAS 1638 Class	Light Obscuration		Report	5

REMARKS : Normal, no action required. Oil is fit for further used. Resample for testing at normal intervals.



APPROVED SIGNATORY

TESTING SERVICES UNIT

All work is performed in accordance with Intertek Standard Terms and Conditions of Service

Oil conforms to NAS 1638 Class	Light Obscuration	Report	5
REMARKS : Normal, no action required. Oil is fit for further used. Resample for testing at normal intervals.			