

Page: Case Study – Hydraulic Oil Grade 68

Oil Analysis - Hydraulic Oil 68

Intertek

FACSIMILE TRANSMITTAL SHEET

TO: GLW OIL PURIFIER PTE LTD FROM: Jessie Ho
 DATE: 02-OCT-2012
 ATTENTION: Evan Yuen YOUR FAX NO.:
 RE: ANALYSIS RESULTS TOTAL PAGES: 2

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If you do not receive all pages clearly, please let us know as soon as possible to the undersigned either by telephone or fax.

CB REF/NO.: 2012-MIS-048975-001
SAMPLE DESCRIPTION:
 Sample Date : 26/09/2012
 Sample No : 12M048975001
 CO: G&W
 OIL: PENNZOIL HYDRAULIC OIL 68

TEST	METHOD	UNIT	SPECIFICATION	RESULT
Kinematic Viscosity @ 40°C	ASTM D445-12	cSt	Report	60.60
Kinematic Viscosity @ 100°C	ASTM D445-12	cSt	Report	8.230
Viscosity Index	ASTM D2270-10e1		Report	104
Water Content	Crackle Test	Vol %	Report	<0.05
Water Content	Karl Fischer	wt %	Report	
Total Acid Number	ASTM D664-11a(A)	mg KOH/g	Report	0.48
PQ-index	PQA		Report	11
Spectro Analysis	ASTM D5185-09(MOD)			
Iron	ASTM D5185-09(MOD)	mg / kg	Report	2
Chromium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Molybdenum	ASTM D5185-09(MOD)	mg / kg	Report	<1
Copper	ASTM D5185-09(MOD)	mg / kg	Report	6
Lead	ASTM D5185-09(MOD)	mg / kg	Report	<1
Silver	ASTM D5185-09(MOD)	mg / kg	Report	<1
Tin	ASTM D5185-09(MOD)	mg / kg	Report	<1
Aluminium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Nickel	ASTM D5185-09(MOD)	mg / kg	Report	<1
Vanadium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Silicon	ASTM D5185-09(MOD)	mg / kg	Report	4
Boron	ASTM D5185-09(MOD)	mg / kg	Report	<1
Sodium	ASTM D5185-09(MOD)	mg / kg	Report	2
Magnesium	ASTM D5185-09(MOD)	mg / kg	Report	3
Phosphorus	ASTM D5185-09(MOD)	mg / kg	Report	305

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SAMPLE DESCRIPTION:

Sample Date : 26/09/2012
 Sample No : 12M048975001
 CO: G&W
 OIL: PENNZOIL HYDRAULIC OIL 68

TEST	METHOD	UNIT	SPECIFICATION	RESULT
Zinc	ASTM D5185-09(MOD)	mg / kg	Report	299
Barium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Calcium	ASTM D5185-09(MOD)	mg / kg	Report	118
Light Obscuration	Light Obscuration	counts / 100ml		
5 to 15 microns	Light Obscuration	counts / 100ml	Report	13213
15 to 25 microns	Light Obscuration	counts / 100ml	Report	827
25 to 50 microns	Light Obscuration	counts / 100ml	Report	267
50 to 100 microns	Light Obscuration	counts / 100ml	Report	27
100+ microns	Light Obscuration	counts / 100ml	Report	0

Oil conforms to NAS 1638 Class 6
REMARKS: Normal, no action required. Oil is fit for further used. Resample for testing at normal intervals.

APPROVED SIGNATORY

All work is carried out in accordance with our Standard Terms and Conditions of Business, a copy of which will be supplied on request.

NAS 1638 Class: 6

