

FACSIMILE TRANSMITTAL SHEET

TO : GLW OIL PURIFINER PTE LTD FROM : Lim Su Ee
 DATE : 12-APR-2011
 ATTENTION : Henry 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 : 68967428 Fax : 68967429

CB REF/NO. :

SAMPLE DESCRIPTION :

Date: 6/4/11

Before Filter
 Oil Grade: Shell Tellus 68

TEST	METHOD	UNIT	SPECIFICATION	RESULT
Kinematic Viscosity @ 40°C	ASTM D445-11	cSt	Report	Unable to perform
Kinematic Viscosity @ 100°C	ASTM D445-11	cSt	Report	Unable to perform
Viscosity Index	ASTM D2270-04		Report	Unable to perform
Water Content	Crackle Test	Vol %	Report	>0.05
Water Content	Karl Fischer	wt %	Report	1.51
Total Acid Number	ASTM D664-09a (A)	mg KOH/g	Report	0.26
PQ-index	PQA		Report	11
Spectro Analysis	ASTM D5185-09(MOD)			
Iron	ASTM D5185-09(MOD)	mg / kg	Report	13
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	2
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	<1
Boron	ASTM D5185-09(MOD)	mg / kg	Report	7
Sodium	ASTM D5185-09(MOD)	mg / kg	Report	1
Magnesium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Phosphorus	ASTM D5185-09(MOD)	mg / kg	Report	461

TEST	METHOD	UNIT	SPECIFICATION	RESULT
Zinc	ASTM D5185-09(MOD)	mg / kg	Report	19
Barium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Calcium	ASTM D5185-09(MOD)	mg / kg	Report	28

REMARKS : Low TAN and Zinc additives in oil. Possible mixture with other oil grade. Please confirm oil grade in used. High water. Presence of 10% free water observed. Check unit for source of water contamination and rectify. Possible contamination from the external humid environment or condensation in the unit itself. Remove water by filtration or purification method. Improve breather efficiency if possible. Unable to perform viscosity test due to presence of high water in oil.



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.