

HYDRAULIC ANALYSIS REPORT



ADVANCED WARNING

For the attention of Telephone Fax Fax Laboratory Report Reference Laboratory Report Date Receipt Date Sample Date §

01-Aug-13 30-Jul-13 29-Jul-13

Equipment Information Registration §

Position § Description § Manufacturer § Model § Serial Number §

Customer Reference § Unique Code Oil Grade § Unit Life §

TS

TEST STAND 3

W25.1002 MIL-PRF-7024E

Oil Life §

<u>Comment</u> Water in alert. Viscosity in alert.

Sample Number			11	12	13	14	15	16 *	17 **	18 *	19 **	20 *
Analysis Date			11-Nov-10	12-May-11	10-Nov-11	08-May-12	06-Nov-12	09-Jan-13	07-Mar-13	05-Jun-13	17-Jun-13	01-Aug-13
Sample Date §			29-Oct-10	28-Apr-11	01-Nov-11	03-May-12	24-Oct-12	20-Dec-12	27-Feb-13	29-May-13	06-Jun-13	29-Jul-13
Lab Reference			HYD39434	HYD41358	HYD43108	HYD45326	HYD46778	HYD47296	HYD47781	HYD48416	HYD48489	HYD4877
Unit Life												
Oil Life												
Oil Added §												
Ticket Number			46-169175 2	46-172858 7	46-176869 5	46-180798 6	46-184690 8	PO:46-185 1182	46-199674 2	46-226406 3	PO:46-230 9436	46-244971 5
Physical Condition												
Viscosity at 40°C	(M002)	cSt	1.02	0.93	1.00	0.92	1.0	1.0	0.98	1.00	0.99	1.26 *
Specific Gravity	(M011)		0.772	0.772	0.773	0.764	0.766	0.772	0.772	0.764	0.7702	0.7705
Water	(M017/23/26)	ppm	<20	20	49	73	34	<20	145 **	45	<20	49 →
TAN	(M007)	mg KOH/g	0.03	0.11	0.01	0.15	0.04	0.02	0.04	0.01	0.01	0.01
Colour	(M009)	units	Yellow	Yellow	C'less	Yellow	Yellow	Yellow	Orange	Yellow	Yellow	Yellow
Appearance		visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Visible Debris	Clear	Clear
PS 5 - 15 μm	(M008 / M033)	per 100ml	9106	6323	3241	3090	4814	29023 *	54074 **	45358	16239 **	684
NAS 1638 5-15	(M008 / M033)	class	6	5	4	4	5	7	8	8	7	2
PS 15 - 25 μm	(M008 / M033)	per 100ml	794	879	376	164	420	91	2016	5918	95	116
NAS 1638 15-25	(M008 / M033)	class	5	5	4	2	4	2	6	8	2	2
PS 25- 50 μm	(M008 / M033)	per 100ml	178	96	156	30	126	47	701 **	2516	503 **	45
NAS 1638 25-50	(M008 / M033)	class	5	4	5	2	4	3	7	9	6	3
PS 50 - 100 μm	(M008 / M033)	per 100ml	23	9	18	0	12	5	69 **	567	56 **	5
NAS 1638 50-100	(M008 / M033)	class	5	3	4	0	4	2	6	9	6	2
PS 100+ μm	(M008 / M033)	per 100ml	0	0	0	0	0	0	8 **	42	3	0
NAS 1638 100+	(M008 / M033)	class	0	0	0	0	0	0	5	8	4	0
NAS 1638	(M008 / M033)	class	6	5	5	4	5	7	8	9	7	3

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Opinions and interpretations included in this report are outside the scope of UKAS/SAS accreditation. The validity of this report may depend on the accuracy of the sample data supplied. Caution, this is an extract from the complete test results. Reports with the same laboratory reference may contain a different selection of tests. All tests carried out in accordance with in house documented methods. By authority of Richard Medhurst - Quality Officer

early warning

supplied by customer

advanced warning N/A not UKAS/SAS accredited

APPROVED BY: MATTHEW MCLEAN SENIOR LABORATORY TECHNICIAN

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