



Date: 30-Apr-2019
 LUBRICATION SPECIALTIES INC
 3975 MORROW MEADOWS DR
 Mount Gilead
 UNITED STATES
 43338

Certificate of Analysis: CT19-01018

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the below results. Users of the data shown on this report should refer to the latest published revisions of ASTM D3244; IP 367 and ISO 4259 and when utilising the test data to determine conformance with any specification or process requirement. With respect to the UOP methods listed in the report below the user is referred to the method and the statement within it specifying that the precision statements were determined using UOP Method 999. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at <https://www.sgs.com/en/terms-and-conditions>). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

JOB DETAILS		SAMPLE NO.:	001	002	003	007	008	
SGS ORDER NO.:	4463158	CLIENT ID :	Shore Tank	As Supplied	As Supplied	As Supplied	As Supplied	As Supplied
SAMPLED :	26-Apr-2019	SAMPLE DETAILS :	Unadditized	Optilube XL	Optilube XL	Hot Shot's	Hot Shot's	
RECEIVED	26-Apr-2019		Diesel	1:1280	1:512	LX4	LX4 1:512	
ANALYSED :	30-Apr-2019		Before	(781.25ppm)	(1953.25ppm	1:1280	(1953.125pp	
COMPLETED :	30-Apr-2019		Treatment	After)	(781.25)	m)	
			Diesel Oil -	Treatment	After	After	After	After
		SGS	Diesel Oil -	Client	Treatment	Treatment	Treatment	
			Client	Client	Diesel Oil -	Diesel Oil -	Diesel Oil -	
			Client	Client	Client	Client	Client	
PROPERTY	UNITS							
Major Axis Diameter - ASTM D6079	µm		610	490	410	280	270
Minor Axis Diameter - ASTM D6079	µm		570	390	340	240	240
Wear scar diameter at 60°C - ASTM D6079	µm		590	440	370	260	250
** End of Analytical Results **								
SAMPLE COMMENT : Sample: 001 Unadditized Diesel Sample: 002 Optilube XL 1:1280 (781.25ppm) Sample: 003 Optilube XL 1:512 (1953.25ppm)								
Sample: 007 Hot Shot's Secret Lubricity Extreme LX41:1280 (781.25ppm) Sample: 008 Hot Shot's Secret Lubricity Extreme LX4 1:512 (1953.125ppm)								

AUTHORISED SIGNATORY

Goce Paunovski
 Chemist

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